User's manual

MioMap

Version 2005

as on December 2004

Impressum

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1 Introduction

Topics covered in this chapter:

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1.1 Search facilities and conventions

Find information quickly

This manual offers the following search facilities:

- ⇔ In the footnote at the bottom of the page, you may check which chapter and which section you are actually reading.
- ⇔ A glossary at the end of the manual contains explanations on the technical terms used in this manual.
- ⇔ An index at the end of the manual allows precise search for the information contained in this manual.

Conventions

This manual uses different font styles and symbols to highlight important paragraphs and to ease its use.

Font	Use
bold	Buttons, icons, names of entry fields, and elements of the software's user interface. Also used for highlighting warnings and notices.
bold italic	Registered names and trademarks.
SMALL CAPITALS	Window and dialogue box titles.

Symbol	Use
	Indicates hints and notes that may ease the use of ***MioMap***.
	Indicates additional information.
	Warns against dangers that might cause damage to objects and persons.

1.2 Liability

Limitation of liability

The software and the manual are subject to change without notice. Mio Tecnology Europe may not be liable for the correctness of the information contained in this manual nor for damages resulting from the use of this manual.

To improve the quality of our products and our services, we appreciate all suggestions for improvement and all error notices.

1.3 Support

Customer Care

Call our support staff for **Telephone support**:

⇔ Mondays to Fridays 8am to 8pm

+49 (0)1805-60 51 69

(0,06 €/min – 0,20 €/min, depending on your telephone provider)

1.4 Trademarks

Registered trademarks

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The absence of an explicit labelling of registered trademarks does not allow the conclusion that this brand was not subject to the rights of third party.

⇔ Outlook, Windows and ActiveSync are registered trademarks of the Microsoft Corporation.

1.5 The basic principle of navigation

MioMap

The time of complicated and frustrating inquiries on the right way in folded maps is over. From now on ***MioMap***, your navigation system, will guide you, based on satellite information, quickly and safely to your destination.

GPS-based navigation

The **G**lobal **P**ositioning **S**ystem (GPS) has originally been developed in the 70ies, as a weapon guidance system for the American forces.

The GPS is based on 24 satellites, which are in orbit round the earth and which are permanently emitting signals. The GPS receiver receives these signals and calculates, based on the runtime of the signals, his distance from the respective satellites. This information serves for calculation your current geographic position.

The signals of at least three satellites are needed to determine the longitude and the latitude. With the signals of at least four satellites the elevation may be calculated, too. The determination has an accuracy of about 3 yards.

Navigation with GPS

The delivered maps contain the geographic coordinates of the points of interest, streets and towns they represent. Thus the navigation system can calculate a route from a given start point to a given destination point.

In case your navigation system receives the signals of at least three satellites it may determine your current position and represent it on the map. This position may then serve as start point for navigation purposes. As the determination and representation of your position is carried out once a second, you may watch your movements on the map.

1.6 Important safety information

Note

In your own interest, read the following notices and safety information carefully before starting up your navigation system.

1.6.1 Safety information on navigation

Use of ***MioMap*** is executed at your our risk.

Caution: To protect yourself and others from accidents, do not program the navigation system while driving. Enter or select your destination and activate the navigation system before you begin to drive!

Caution: Do not look at the display unless it is absolutely safe to do so! Safe driving is the first priority!

Caution: The rules of the road and traffic signs must be obeyed prior to following instructions from the navigation system.

Caution: Do not follow the instructions of ***MioMap*** unless circumstances and the road traffic regulations allow doing so. ***MioMap*** will guide you to your destination even when you have gone off course from your route.

Note: If you have not understood the instructions or if you are not sure about what to do next, use caution and view the display or arrow view of your navigation system. Do this in safe circumstances only.

1.6.2 Safety information on handling MioMap

Caution: As it is not waterproof, do not expose your GPS receiver to water! For example, protect it from rain, snow or hail when you are on your way by bike or on foot.

Caution: ***MioMap*** should be disconnected from power supply while your car is parking. As its internal GPS receiver spends energy permanently you might risk discharging the car battery.

Note: Do not use any harsh solvents for cleaning ***MioMap***. A damp, lint-free cloth is sufficient!

Note: Do not unplug by pulling the cable. This might damage the cable!

1.6.3 Safety information on the installation in the vehicle

Caution: Do not fix the holder within the deployment zone of airbags.

Caution: When you install the holder, please check that it may not constitute any safety risk, even in case of an accident.

2 Operating the navigation software

Topics covered in this chapter:

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2.1 Hardware keys

Hardware keys

On the upper right corner of your device, there are the following hardware keys which allow to accede quickly the most important functions:

On / Off

Turns the device on / off.

Navigate home

Initiate navigation to the entered home address.

Loudspeaker

Switches the loudspeaker on/off.

Back

Opens the precedent screen.

Destination

Opens the **DESTINATION** screen.

Zoom out

Works only in map view mode.

Zoom in

Works only in map view mode.

Loudness wheel

Turn the wheel upwards to increase the loudness.

Turn the wheel downwards to reduce the loudness.

2.2 Software keyboard

Survey

A software keyboard appears at the bottom of the screen when text entries are necessary.

Only capital letters may be entered.

Entries

You may carry out all entries with your finger on the mobile phone software keyboard.

You need not enter special characters when entering a destination's town or street name. ***MioMap*** replaces these characters automatically. When you are looking for, e.g., a French town called "Héroïnès", simply type "HEROINES".

Entering a space, deleting a character…

Tap the

key to insert a space character.

Tap the

key to delete the character to the left of the insertion mark.

Switching between character and number entry

Tap the

icon to enter numbers, e.g. a postcode.

The number entry keyboard appears. This keyboard allows entering numbers, punctuation marks and some special characters.

Tap the

icon to return to the character entry mode.

Special characters

To enter special characters like accents etc. tap the

key.

This key is now activated (highlighted in blue).

When you tap a character key now, a line above the software keyboard appears which lists all characters that may be entered by this key. The active character is highlighted.

If, e.g., you want to type "ü", tap the "U" key repeatedly until "ü" is highlighted in the line above the software keyboard.

Moving the cursor

If you want to delete another character than the one to the left of the cursor position, or if you want to insert a character at another place than at the end of the text, you have to move the cursor to the respective place.

Just tap the place where you want to have the cursor.

2.3 Command buttons

Icons

The following buttons appear at the right of every ***MioMap*** screen:

Return

Tap this icon to return to the previous screen. This icon is not available on the **MAIN SCREEN**.

Main screen

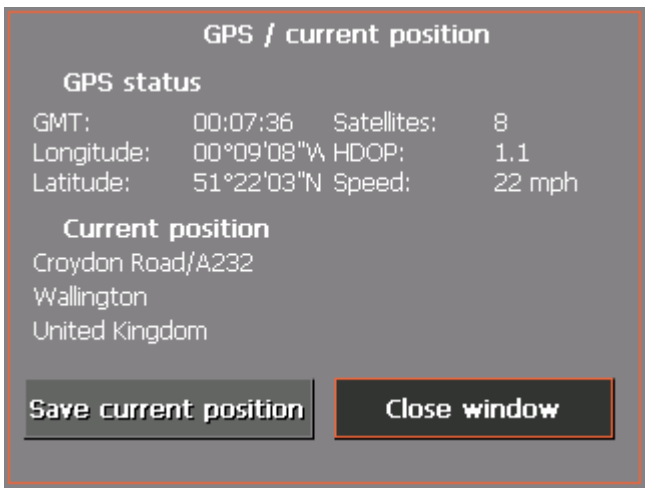
Tap this icon to open the main screen. This icon is not available on the **MAIN SCREEN**.

GPS

The **GPS** symbol is placed at the top right corner of the screen. The colour of this icon and the number displayed on it have the following significance:

Colour / Number	Significance
red	A GPS receiver is not connected or the power supply is interrupted.
orange + number of received satellites	A GPS receiver is connected, but the received signals are not convenient for navigation purposes (e.g. because you are in a closed building).
green + number of received satellites	The signals are convenient. Navigation may begin.

Tap the **GPS** icon to display the current GPS status:



Entry	Significance
GMT	**G**reenwich **M**ean **T**ime Time of London ignoring daylight saving time.
Longitude / Latitude	Current position: Indication of east longitude and north latitude.
Satellites	Number of received satellites. At least three satellites must be received for navigation purposes.
HDOP	**H**orizontal **D**ilution **o**f **P**recision: Indicates the quality of position determination. Theoretically any value from 0 to 50 may occur. The smaller the value, the more accurate is the position determination (value 0 = no deviation from the real position). Values up to 8 are convenient for navigation purposes.
Speed	Indicates your current speed.
Position	Indicates the address of your current position.
Save	Tap this button to add the current address to the saved destinations list.
Quit	Tap this button to quit the GPS screen.

Energy

The **Energy** icon is placed at the bottom right corner of the screen. The colour of the icon and the symbol displayed on it have the following significance:

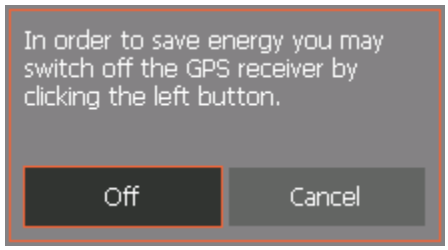
Colour / Symbol	Significance
Green: Plug	The device is connected to an external power supply. The battery is charged. The LED on the device shines green.
Green: Battery with arrow	The device is connected to an external power supply. The battery is being charged. The LED on the device shines red.
Green: Battery with block segments	The device is being supplied by its internal battery. The charge state of the battery is sufficient. The number of segments on the battery indicates its charge state (2 or 3 segments).
Red: Battery with block segments	The device is being supplied by its internal battery. The charge state of the battery is weak. The number of segments on the battery indicates its charge state (2 or 3 segments). A message window informs you when the charge state of the battery becomes insufficient.

Switching the GPS receiver on / off

The GPS receiver consumes energy. In order to extend the duration of the battery, switch the GPS receiver off when you do not need it for a certain time.

1. Tap the **Energy** icon on the lower right corner of any screen.

   The **ENERGY** screen opens:



2. Tap the **Off** button to switch the GPS receiver off.
3. When the GPS-symbol in the upper right corner becomes red, tap the **Cancel** button.

Note: Switching the GPS receiver on works the same way.

2.3.1 Command buttons with caption

Command buttons

You will find command buttons with captions on almost every screen of ***MioMap***. There is three groups of command buttons:

1. Command buttons with a defined functionality.

   These buttons are designed to execute a functionality, which is indicated by their caption. They are normally buttons like **Save**, **OK**, **Cancel**, **Select map**, **One destination** etc.

2. Buttons to select one of two possibilities.

   These buttons are designed to select one of two possibilities. Normally, the current state is indicated by the caption of the button. They are normally buttons like **User mode**, **Yes-No**, **On-Off**.

   When you tap one of these buttons, the caption switches to the other possibility. This change must be confirmed by clicking another button (normally **OK** or **Save**) before the current screen closes.

3. Buttons to enter data.

   Subsequently, these buttons will be referred to as entry fields. The caption either your last entry or **<please select>**. They are buttons like **Town**, **Street**, **Category** (of a POI) etc.

   When you tap an entry field, another screen with a software keyboard, a list, or with both of them opens where you can make your entries. This entry must be confirmed by clicking another button (normally **OK** or **Save**) before the entry screen closes. Your entry becomes then the caption of the entry field.

For information on the use of the keyboard, please refer to "Software keyboard", page 11.

For information on working with lists, please refer to "Lists", page 16.

2.4 Lists

Survey

There is many cases where you have to select an entry from a list.

If, for example, you have not completely entered the name of a town before tapping **OK**, a list appears which contains all towns beginning with your entry or having it into their names. The postcode of the towns is also indicated in order to allow you to choose the correct one if there is more than one town with the same name.

Entry with focus

One of the entries has the focus. This entry is written in bold and is placed a little more at the left than the other entries of the list. Moreover, there is often some additional information on that entry in a 2nd or 3rd line. In a list of towns, there is indicated the county the respective town belongs to.

Icons

At the right hand side of lists, there are three icons:

OK: Tap this icon to confirm the selection of the entry with the focus (which is placed directly at the left of the OK icon).

Up: Tap this icon to scroll the list one item up.

Down: Tap this icon to scroll the list one item down.

Example

Search for LONDON.

1. In the **MAIN MENU** tap **One destination**.

   The **DESTINATION** screen opens.

2. Tap **Address**.

   The **ADDRESS** screen opens.

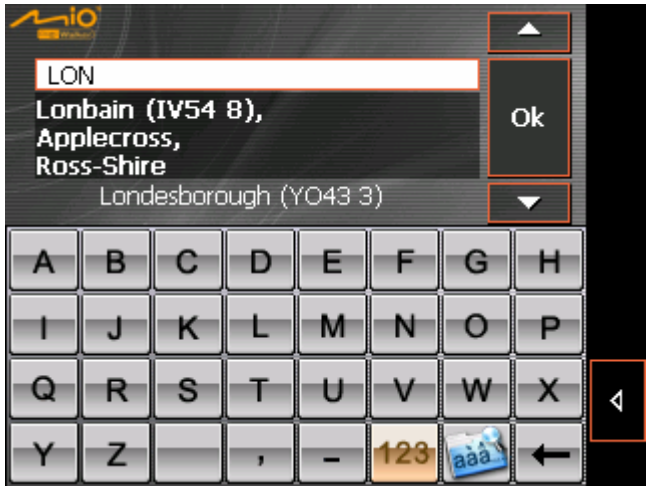
3. Tap the **Town** entry field.

   The software keyboard appears, and the cursor is blinking in an empty entry field.

4. Enter the letters LON.

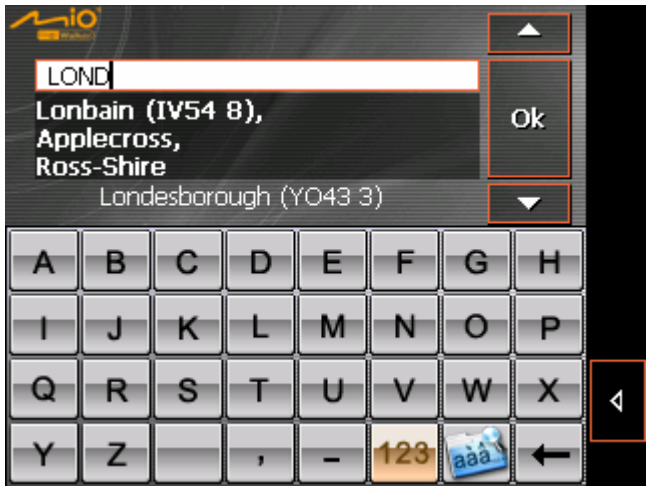
5. Tap **OK**.

   All towns beginning with LON or having LON in their names are listed.



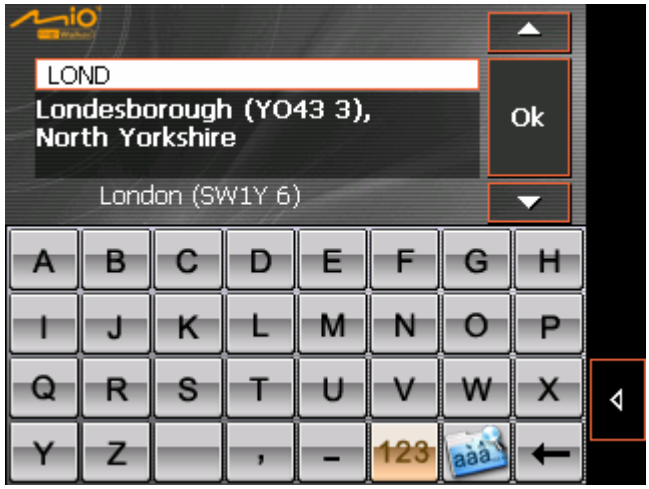
   When the list is very long, you may enter one more letter in order to shorten the list.

6. Enter D.



7. Tap **OK**.

   All towns beginning with LOND or having LOND in their names are listed.



8. Tap the **Down** icon repeatedly until LONDON appears directly under the white entry field.

   The entry LONDON has the focus.

9. Tap **OK**.

   The **ADDRESS** screen reappears. LONDON is entered into the **Town** field.

Town
SW1Y 6 London
Street
<please select>
-
Intersection
<please select>
Start navigation

3 User modes

Topics covered in this chapter:

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3.2	Change user mode	page 22
3.3	Standard mode	page 23
3.4	Extended mode	page 24

3.1 Two different user modes

Survey

MioMap can be operated in two different user modes: Standard and Extended. This grants an optimum of usability for each user: Less experienced users and users who do not need using the complete functionality of the software work in standard mode. Experienced users who are ready to spend some time in getting used to operate the complete functionality word in extended mode.

Some configuration settings have an effect on the work in standard mode but can only be changed in extended mode. For further information, please refer to "Configuring MioMap", page 85.

3.2 Change user mode

You may at any time switch to the other user mode.

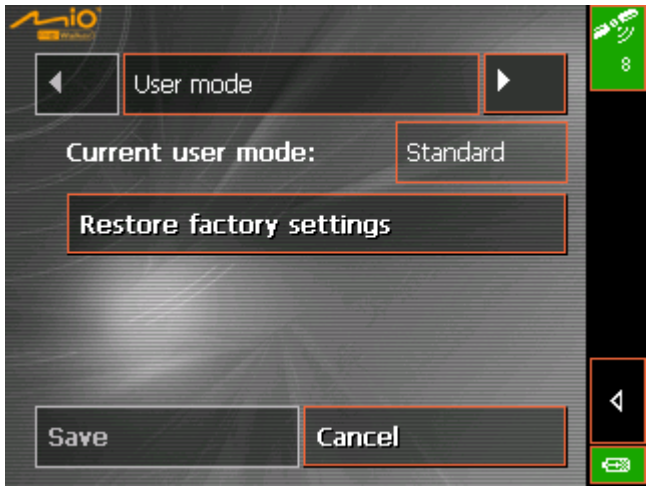
1. In the **MAIN MENU**, tap **Settings**.

   The **SETTINGS** screen appears:

   The **User mode** entry is at the top of the list. If it is not selected, tap the **Up** icon repeatedly until **User mode** is selected.

2. Tap **OK**.

   The **USER MODE** screen appears:



Your current user mode is indicated on the **Current user mode** field.

3. Tap **Current user mode** to switch to the other user mode.

   The name of the user mode you want to switch to becomes the caption of the entry field.

4. Tap **Save** to save the changes.

Note: When you switch to standard mode, a dialog window asks you whether you want to keep the configuration changes you have made in extended mode. This dialog window appears even when you have not made any configuration changes. Tap **Yes**.

The **USER MODE** screen closes and you are in the Main menu of the user mode you have just switched to.

3.3 Standard mode

Survey

In standard mode, the software is easier to operate. As it offers reduced functionality, functions may be accessed quicker. So, if you do not need functions like Route planning or indicating a destination on the map, we recommend working in standard mode.

Functionality

In standard mode, you can:

- ⇔ Select another map
- ⇔ Enter a destination to navigate to (Address, POI)
- ⇔ Navigate home
- ⇔ Select a saved destination
- ⇔ Save destinations
- ⇔ Select a destination from the recent destinations list
- ⇔ Change some configuration settings

3.4 Extended mode

Survey

In extended mode, you dispose of the complete functionality of ***MioMap***. You may for example indicate and navigate to more than one destination (route planning with stages). You may change all configuration settings. If you want to use the complete functionality, work in extended mode.

Functionality

In addition to the functions of the standard mode, the extended mode enables you to:

- ⇔ Indicate a direction directly on the map
- ⇔ Display your current position at any time, not only in navigation mode
- ⇔ Plan and save routes with several stages
- ⇔ Adjust the route options before each navigation
- ⇔ Change all configuration settings

4 Working in standard mode

Topics covered in this chapter:

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4.8	Starting navigation	page 37

4.1 General information on navigation

Use of ***MioMap*** is executed at your our risk.

Caution: To protect yourself and others from accidents, do not program the navigation system while driving. Enter or select your destination and activate the navigation system before you begin to drive!

Caution: Do not look at the display unless it is absolutely safe to do so! Safe driving is the first priority!

Caution: The rules of the road and traffic signs must be obeyed prior to following instructions from the navigation system.

Caution: Do not follow the instructions of MioMap unless circumstances and the road traffic regulations allow doing so. ***MioMap*** will guide you to your destination even when you have gone off course from your route.

Obstructed GPS reception

When you turn off the GPS receiver or when the reception of GPS-signals is obstructed ***MioMap*** does not close but navigation is interrupted.

As soon as the GPS receiver works again the navigation system notices a possible change of your current position and recalculates the route. You may simply continue navigation.

Quitting navigation mode

When you quit navigation mode by command the **MAIN MENU** appears. You may then indicate another destination or reassume the by selecting the former destination from the **Recent destinations** list.

Arriving at your destination

When you have reached your destination the system pronounces the message "You have reached your destination!"

The map is no more presented in navigation mode. A small red arrow indicates your current position.

4.2 Starting MioMap

Starting the navigation software…

1. Turn on ***MioMap***.

   At each start of ***MioMap***, the following message appears:

2. Tap the **I accept** button. If you do not accept and if you tap the **I refuse** button, the device turns off.

   The **MAIN SCREEN** appears.

Main screen

Notice: When you turn ***MioMap*** on, it shows the screen, which was displayed when ***MioMap*** was turned off. Nevertheless, you may access the Main screen from all other screens by tapping .

One destination

Tap the **One destination** button to indicate a destination for navigation (one stage).

For details, please refer to “Entering a destination”, page 29.

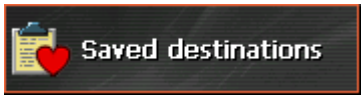
Navigate homewards

Tap the **Home** button to navigate to your home address.

For details, please refer to “Using your home address”, page 34.

Saved destinations

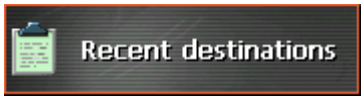
Tap the **Saved destinations** button for selecting a saved destination.



For details, please refer to “Saved destinations”, page 33.

Recent destinations

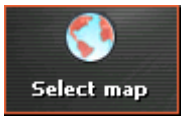
Tap the **Recent destinations** button to select a destination entered previously.



For details, please refer to “Recent destinations”, page 34.

Select map

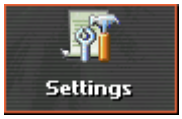
Tap the **Select map** button to select another map from the memory card which is currently inserted.



For details, please refer to “Working with the map”, page 69.

Settings

Tap the **Settings** button to modify the settings of ***MioMap***.



For details, please refer to “Settings”, page 86.

Quit

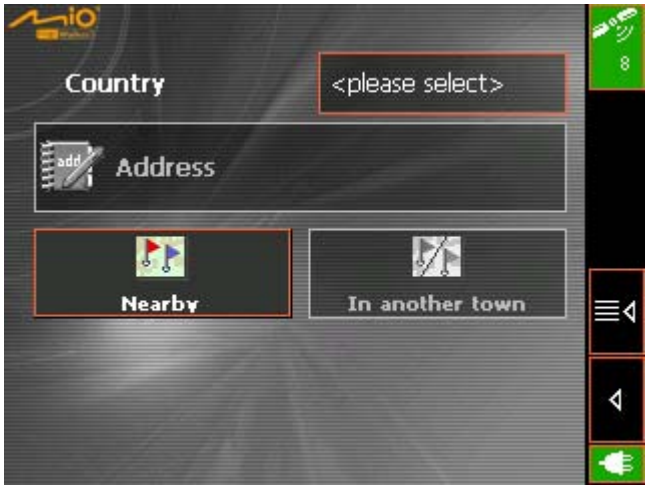
Tap the **Quit** button to quit ***MioMap***.

4.3 Entering a destination

In the **MAIN MENU**, tap **One destination**.

Destination screen

The **DESTINATION** screen opens.



Tap the **Country** entry field and select the destination country if it is not yet indicated.

Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

4.3.1 Entering an address

Indicating an address…

1. On the **DESTINATION** screen, tap **Address**.

   The **ADDRESS** screen opens:

2. Enter the destination town into the **Town** entry field. Enter either its name or its postcode.

For information on working with lists, please refer to "Lists", page 16.

3. Enter the destination street into the **Street** entry field.
4. Enter a house number into the House number field at the right hand side of the street if possible.

Note: If the house numbers of the respective street are stored in the database of places, you may tap the field besides the **Street** field.
If no house numbers are stored, the respective field is deactivated. The software navigates to the respective street

5. Enter the name of a crossroad into the **Intersection** entry field if you want to define an intersection as destination point (e.g. because the house number is not available)..

For information on saving destinations, please refer to "Saving a destination", page 35.

4.3.2 Selecting a point of interest

Points of interest

Points **o**f **I**nterest, also referred to as POIs, are stored in the database of places and may be displayed on the map. Ports, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the special destinations. They may be selected as destination for navigation purposes.

Special destination nearby

Note: You may only select points of interest nearby when the GPS receiver is turned on and when the GPS signal strength is sufficient.

Selecting a Point of interest nearby...

1. On the **DESTINATION** screen, tap **Nearby**.

   The **POI NEARBY** screen opens:

2. Enter the radius around your current position within which you want to search for special destinations into the **Radius** entry field.
3. Select the main category of special destinations to search for from the left one of the two **Category** list fields, e.g. Garages. Only special destinations situated within the indicated radius will be displayed.
4. Select the **Subcategory** of special destinations to search for from the right one of the two **Category** list fields, e.g. BMW, Ford, Volkswagen.

   For information on working with lists, please refer to "Lists", page 16.

   Note: If you leave the **Subcategory** field empty, all special destinations matching with the selected main category will be listed in the **Point of interest** list field.

5. Select the correct destination from the **Point of interest** list field.

Note: You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

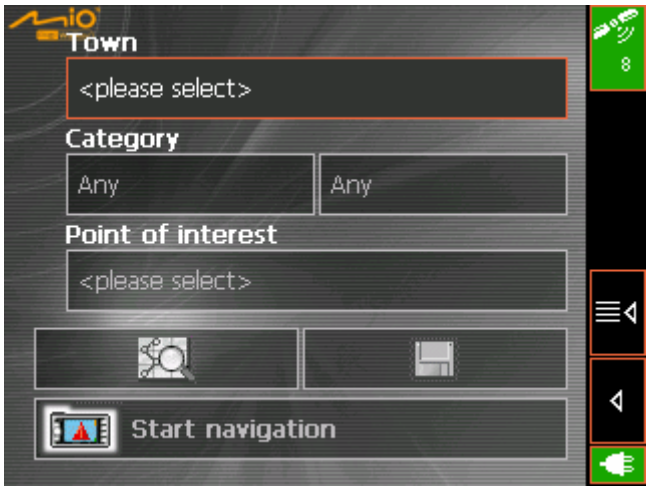
For information on saving destinations, please refer to "Saving a destination", page 35.

Point of interest in another town

Selecting a Point of interest in another town...

2. On the **DESTINATION** screen, tap **In another town**.

   The **POI IN ANOTHER TOWN** screen opens:



6. Enter the name of the town in which you want to search for points of interest into the **Town** field.
7. Select the main category of points of interest to search for from the **Category** list field (e.g. Nightlife). Only categories matching your Town entry are listed.
8. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields (e.g. Cinema).
9. Select the correct destination from the **Point of interest** list field

For information on working with lists, please refer to "Lists", page 16.

Note: You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

For information on saving destinations, please refer to "Saving a destination", page 53.

4.4 Saved destinations

Survey

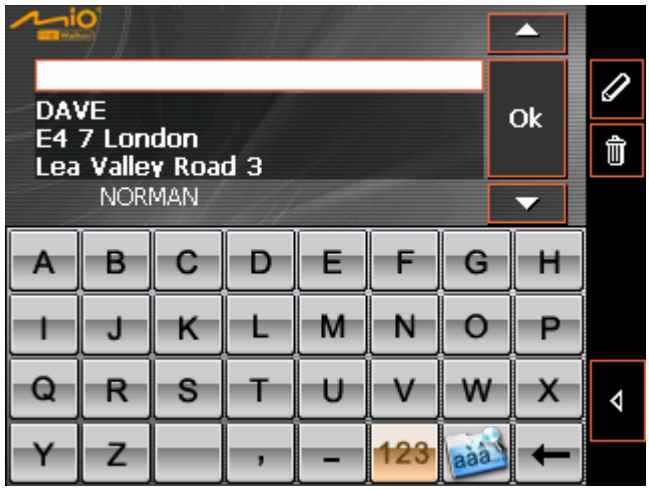
All destinations you have saved by tapping the **Save** button are listed on the **SAVED DESTINATIONS** screen. . On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ rename destinations, and
- ⇔ delete destinations from the list.

Saved destinations

1. On the **MAIN MENU** screen, tap **Saved destinations**.

   The **SAVED DESTINATIONS** screen opens.



2. Tap the entry of the respective destination.

   For information on working with lists, please refer to "Lists", page 16.

3. Tap **OK**.

   The route is now being calculated and navigation starts.

For information on deleting or renaming saved destinations, please refer to "Destination management", page 35.

4.5 Recent destinations

Survey

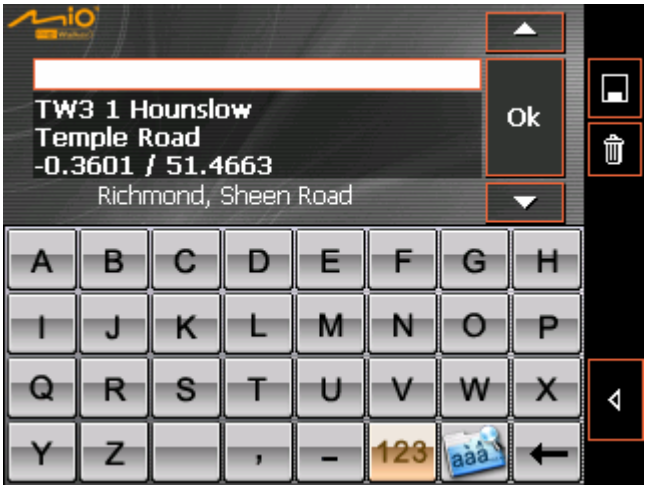
All destinations you have navigated to recently are listed on the **RECENT DESTINATIONS** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ Add destinations to the **SAVED DESTINATIONS** list, and
- ⇔ delete destinations from the **RECENT DESTINATIONS** list.

Recent destinations

1. On the **DESTINATION** screen, tap **Recent destinations**.

   The **RECENT DESTINATIONS** screen opens.



2. Tap the entry of the desired destination.

For information on working with lists, please refer to "Lists", page 16.

3. Tap **OK**.

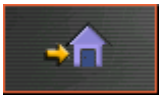
The route is now being calculated and navigation starts.

4.6 Using your home address

Survey

If you have stored your home address you may quickly start navigation home at any place.

For information on entering your home address, please refer to "Home address", page 91.



1. On the **MAIN MENU** tap the **Home** icon.

The route is now being calculated and navigation starts. The type of route is always a Fast route.

4.7 Destination management

Survey

Destinations may be stored in two lists:

⇔ the **SAVED DESTINATIONS** list

⇔ the **RECENT DESTINATIONS** list

Every destination you are indicating and the destinations from the **RECENT DESTINATIONS** list may be added to the **SAVED DESTINATIONS** list. This makes sense if you want to navigate more often to the respective destination.

Destinations from the **SAVED DESTINATIONS** list may be renamed.

Items from both lists may be deleted.

4.7.1 Saving a destination

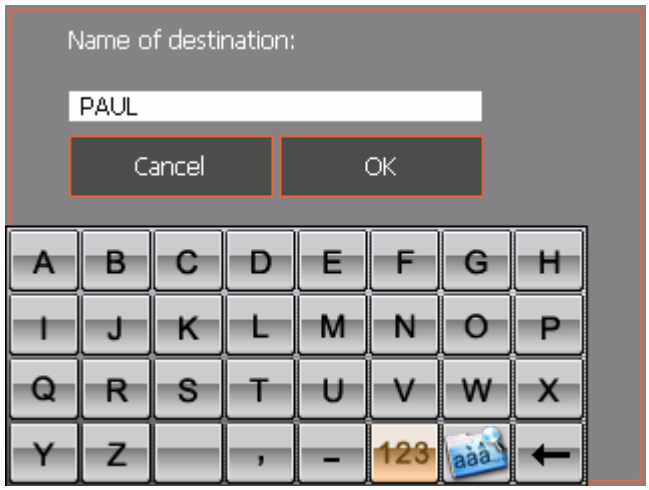
Precondition

You have entered a destination as described in "Entering a destination", page 29
- OR –
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 34.

or

1. Tap the **Save** icon.

   The **NAME OF DESTINATION** screen opens.



2. Enter the name of the destination.

   For information on the use of the keyboard, please refer to "Software keyboard", page 11.

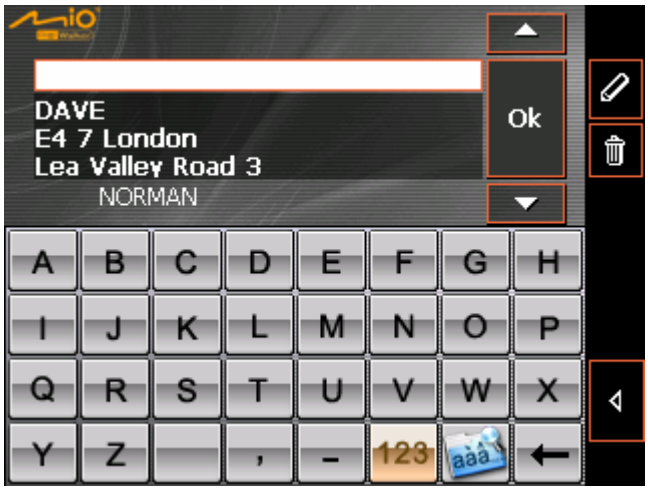
3. Tap **OK**.

   The destination has now been added to the **SAVED DESTINATIONS** list.

4.7.2 Renaming a destination

1. On the **DESTINATION** screen, tap **Saved destinations**.

   The **SAVED DESTINATIONS** screen opens.

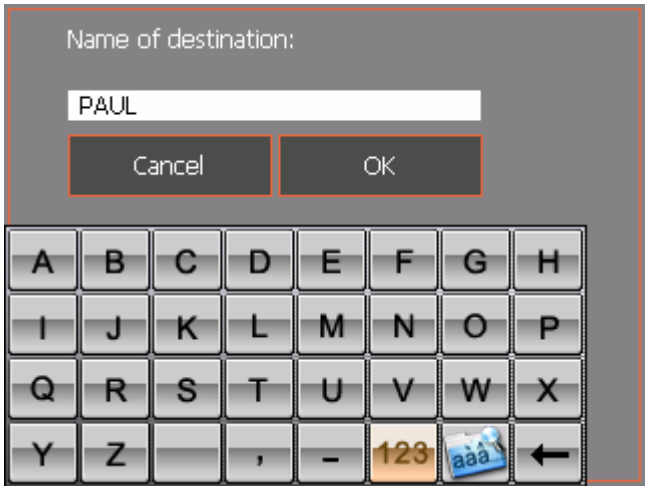


2. Select the destination you want to rename.

   For information on working with lists, please refer to "Lists", page 16.

3. Tap the **Rename** icon.

   The **NAME OF DESTINATION** screen opens.



4. Enter the new name of the destination.

   For information on the use of the keyboard, please refer to "Software keyboard", page 11.

5. Tap **OK**.

   The destination has been renamed.

4.7.3 Deleting a destination

Precondition

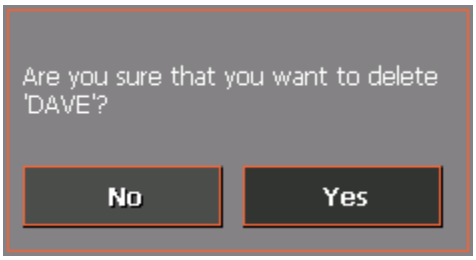
You have opened the **SAVED DESTINATIONS** list as described in "Saved destinations", page 33.
- OR –
You have opened the **RECENT DESTINATIONS** list as described in " Recent destinations", page 34.

1. Tap the entry of the destination to be deleted.

   For information on working with lists, please refer to "Lists", page 16.

2. Tap the **Delete** icon.

   The **CONFIRM** screen opens.



3. Tap **Yes** to delete the destination from the list.

The destination has been deleted.

4.8 Starting navigation

Precondition

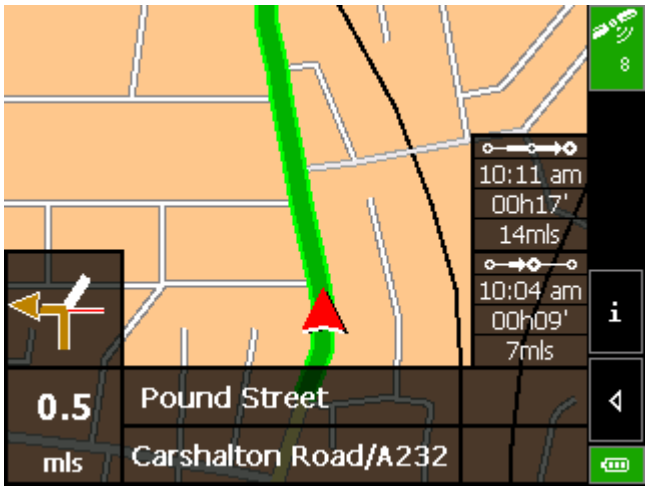
You have entered a destination as described in "Entering a destination", page 29,
- OR -
You have selected a destination from the **SAVED DESTINATIONS** list as described in "Saved destinations", page 33,
- OR –
You have selected a destination from the **RECENT DESTINATIONS** list as described in "Recent destinations", page 34.

Start navigation

1. Tap **Start navigation**.

   The system calculates the route.

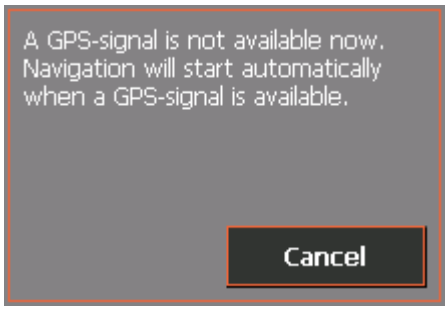
   The map screen opens. Your current position is indicated by a red arrow. The route is highlighted in green.



Note: When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stage point of your route.

No GPS reception?

When the received GPS signal is not sufficient, the following message appears:



You have two possibilities:

- ⇔ Wait until navigation starts. This will happen as soon as the GPS reception is sufficient.
- ⇔ Tap **Cancel** and restart navigation as soon as the reception of GPS signals is convenient. You may notice that by watching the GPS symbol on the screen: it becomes green when the reception is good.

5 Working in extended mode

Topics covered in this chapter:

5.1	General information on navigation	page 40
5.2	Starting MioMap	page 41
5.3	Entering a destination	page 43
	Entering a destination manually	
	Selecting a point of interest	
	Indicating destinations on the map	
	Saved destinations	
	Recent destinations	
	Using your home address	
5.4	Destination management	page 53
	Saving a destination	
	Renaming a destination	
	Deleting a destination	
5.5	Indicating several destinations (Itinerary planning with stages)	page 56
	Indicating route points	
	Editing, saving and managing itineraries	
	Calculating the route	
	Displaying the itinerary on the map	
	Simulating the route	
5.6	Starting navigation	page 66

5.1 General information on navigation

Use of ***MioMap*** is executed at your our risk.

Caution: To protect yourself and others from accidents, do not program the navigation system while driving. Enter or select your destination and activate the navigation system before you begin to drive!

Caution: Do not look at the display unless it is absolutely safe to do so! Safe driving is the first priority!

Caution: The rules of the road and traffic signs must be obeyed prior to following instructions from the navigation system.

Caution: Do not follow the instructions of ***MioMap*** unless circumstances and the road traffic regulations allow doing so. ***MioMap*** will guide you to your destination even when you have gone off course from your route.

Obstructed GPS reception

When you turn off the GPS receiver or when the reception of GPS-signals is obstructed ***MioMap*** does not close but navigation is interrupted.

As soon as the GPS receiver works again the navigation system notices a possible change of your current position and recalculates the route. You may simply continue navigation.

Quitting navigation mode

When you quit navigation mode by command the **MAIN MENU** appears. You may then indicate another destination or reassume the by selecting the former destination from the **Recent destinations** list.

Arriving at your destination

When you have reached your destination the system pronounces the message "You have reached your destination!"

The map is no more presented in navigation mode. A small red arrow indicates your current position.

5.2 Starting MioMap

Starting the navigation software…

1. Turn on ***MioMap***.

   At each start of ***MioMap***, the following message appears:

2. Tap the **I accept** button. If you do not accept and if you tap the **I refuse** button, the device turns off.

   The **MAIN SCREEN** appears.

Main screen

All functions of the program are accessible via the **MAIN SCREEN**.

Notice: When you turn ***MioMap*** on, it shows the screen, which was displayed when ***MioMap*** was turned off. Nevertheless, you may access the Main screen from all other screens by tapping .

One destination

Tap the **One destination** button to indicate a destination for navigation (one stage).

For details, please refer to “Entering a destination”, page 43.

Navigate homewards

Tap the **Home** button to navigate to your home address.

For details, please refer to “Using your home address”, page 52.

Several destinations

Tap the **Several destinations** button for itinerary planning purposes.

For details, please refer to “Indicating several destinations (Itinerary planning with stages)”, page 56.

Show map

Tap the **Show map** button to display the map currently in use.

Select map

Tap the **Select map** button to select another map from the memory card which is currently inserted.

For details, please refer to “Working with the map”, page 69.

Settings

Tap the **Settings** button to modify the settings of ***MioMap***.

For details, please refer to “Settings”, page 86.

Quit

Tap the **Quit** button to quit ***MioMap***.

5.3 Entering a destination

Basic principle of navigation

The indication of destinations is the basis of navigation respectively of itinerary planning. In this chapter, you will learn about the possibilities to indicate and manage destinations in ***MioMap***.

For details on navigation, please refer to "Starting navigation", page 66.

Indicating a destination

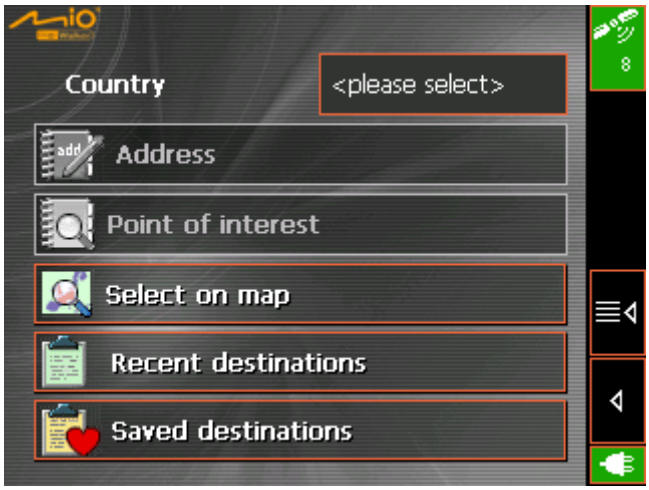
In ***MioMap*** there are several possibilities to enter or to select destinations:

- ⇔ Entering a destination manually, page 44
- ⇔ Selecting a point of interest, page 45
- ⇔ Indicating destinations on the map, page 49
- ⇔ Saved destinations, page 51
- ⇔ Recent destinations, page 52
- ⇔ Using your home address, page 52

In the **MAIN MENU**, tap **One destination**.

Destination screen

The **DESTINATION** screen is the starting point for the indication or selection of a destination.



Tap the **Country** entry field and select the destination country i fit is not yet indicated.

Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

5.3.1 Entering a destination manually

Indicating an address…

1. On the **DESTINATION** screen, tap **Address**.

   The **ADDRESS** screen opens:

2. Enter the destination town into the **Town** entry field. Enter either its name or its postcode.

   For information on working with lists, please refer to "Lists", page 16.

3. Enter the destination street into the **Street** entry field.
4. Enter a house number into the **House number** field at the right hand side of the street if possible.

Note: If the house numbers of the respective street are stored in the database of places, you may tap the field besides the **Street** field.
If no house numbers are stored, the respective field is deactivated. The software navigates to the respective street

5. Enter the name of a crossroad into the **Intersection** entry field if you want to define an intersection as destination point (e.g. because the house number is not available)..

   For information on saving destinations, please refer to "Saving a destination", page 53.

5.3.2 Selecting a point of interest

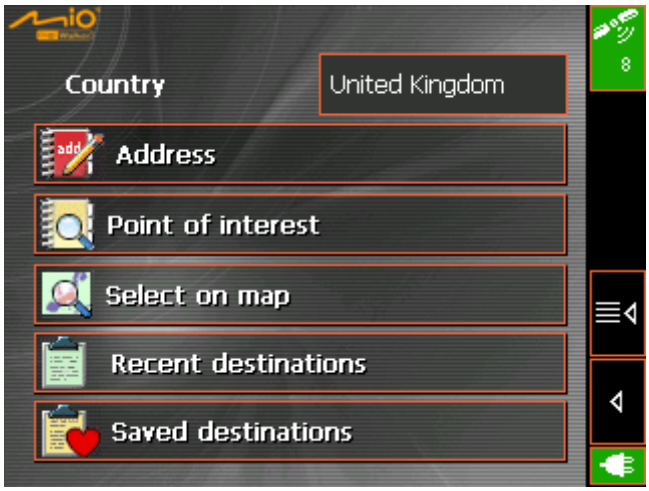
Points of interest

Points **o**f **I**nterest, also referred to as POIs, are stored in the database of places and may be displayed on the map. Ports, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the special destinations.
Indicate a point of interest by selecting one

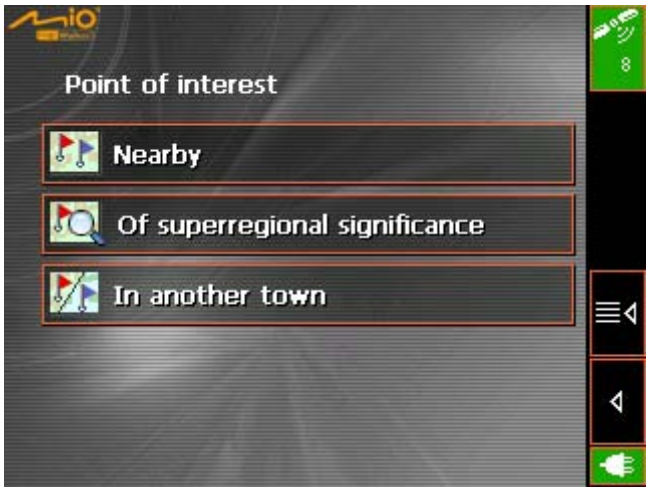
- ⇔ on the map, see "Indicating destinations on the map", page 49,
- ⇔ via the entry screen.

Selecting a Point of interest...

1. On the **DESTINATION** screen, tap **Point of interest**.



The **POINT OF INTEREST** screen opens:



Point of interest nearby

Note: You may only select Points of interest nearby when the GPS receiver is turned on and when the GPS signal strength is sufficient.

Selecting a Point of interest nearby...

1. On the **POINT OF INTEREST** screen, tap **Nearby**.

   The **POI NEARBY** screen opens:

2. Enter the radius around your current position within which you want to search for points of interest into the **Radius** entry field.
3. Select the main category of points of interest to search for from the left one of the two **Category** list fields, e.g. "Garage". Only points of interest situated within the indicated radius will be displayed.
4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields, e.g. "Audi VW Seat Skoda".

   For information on working with lists, please refer to "Lists", page 16.

   Note: If you leave the **Subcategory** field empty, all points of interest matching with the selected main category will be listed in the **Point of interest** list field.

5. Select the correct destination from the **Point of interest** list field.

   Note: You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

For information on saving destinations, please refer to "Saving a destination", page 53.

Point of interest of superregional significance

Selecting a Point of interest of superregional significance...

1. On the **POI** screen, tap **Of superregional significance**.

   The **POI OF SUPERREGIONAL SIGNIFICANCE** screen opens:

2. Select the main category of points of interest to search for from the **Category** list field (e.g. Airports).
3. Select the correct destination from the **Point of interest** list field.

For information on working with lists, please refer to "Lists", page 16.

Note: You need not make entries into the **Category** field. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

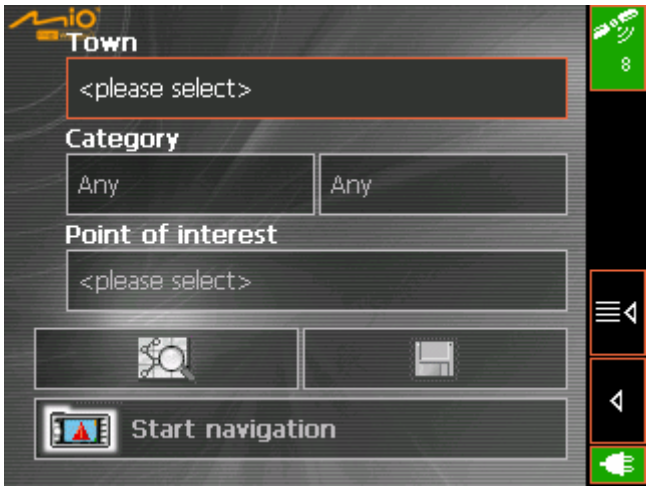
For information on saving destinations, please refer to "Saving a destination", page 53.

Point of interest in another town

Selecting a Point of interest in another town...

1. On the **POI** screen, tap **In another town**.

   The **POI in another town** screen opens:



2. Enter the name of the town in which you want to search for points of interest into the **Town** field.
3. Select the main category of points of interest to search for from the **Category** list field (e.g. Nightlife). Only categories matching your Town entry are listed.
4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields (e.g. Cinema).
5. Select the correct destination from the **Point of interest** list field

For information on working with lists, please refer to "Lists", page 16.

Note: You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

For information on saving destinations, please refer to "Saving a destination", page 53.

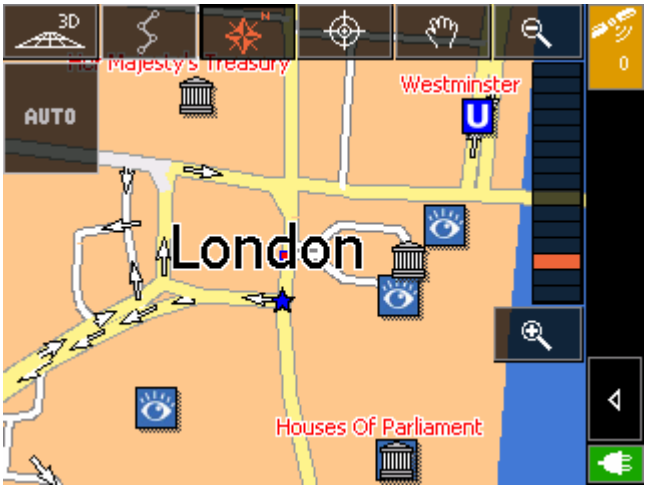
5.3.3 Indicating destinations on the map

You may indicate a destination directly on the map. In addition to towns and streets, you may also select special destinations quickly..

Indicating a destination on the map...

1. On the **DESTINATION** screen, tap **Select on map**.

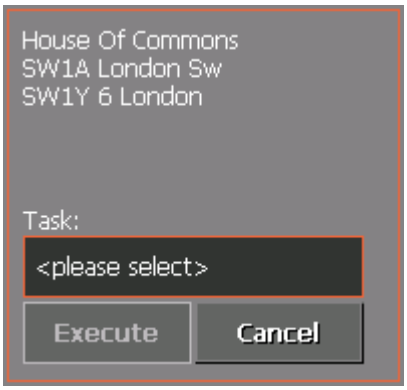
   The **MAP** screen opens:



2. Tap on the place you want to determine as destination and hold.

   A circle of red points appears round the selected place:

   Database information on the respective place will be loaded and displayed:



3. Tap the **Task** field.

   The **TASK** screen opens where you may indicate how to proceed:

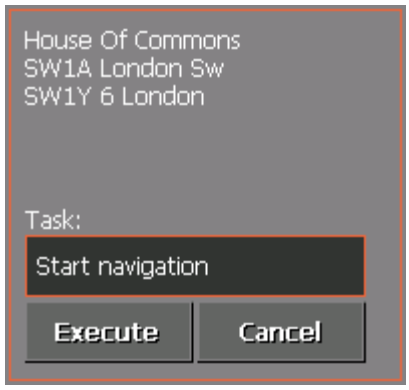
4. Select **Start navigation** from the list to navigate to the respective place.
   Tap the **Save destination**, button if you want to navigate more often to the entered destination. You may then quickly select it from the **SAVED DESTINATIONS** list.

   For information on working with lists, please refer to "Lists", page 16.

   For information on saving destinations, please refer to "Saving a destination", page 53.

5. Tap **OK**.

   The **TASK** screen closes and the task is indicated on a new screen.



6. Tap **Execute**.

5.3.4 Saved destinations

Survey

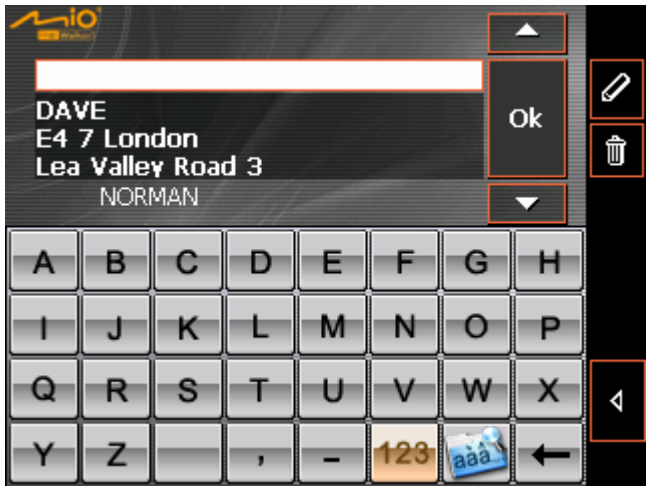
All destinations you have saved by tapping the **Save** button are listed on the **SAVED DESTINATIONS** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ rename destinations, and
- ⇔ delete destinations from the list.

Saved destinations

1. On the **DESTINATION** screen, tap **Saved destinations**.

   The **SAVED DESTINATIONS** screen opens.



2. Tap the entry of the respective destination.

   For information on working with lists, please refer to "Lists", page 16.

3. Tap **OK**.

   The **ADDRESS** screen opens. The address data of the selected destination is entered into the respective fields.

For information on deleting or renaming saved destinations, please refer to "Destination management", page 53.

5.3.5 Recent destinations

Survey

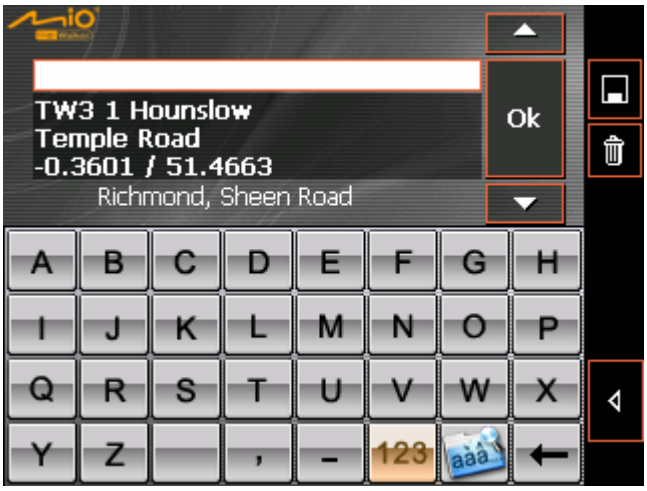
All destinations you have navigated to recently are listed on the **RECENT DESTINATIONS** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ Add destinations to the **SAVED DESTINATIONS** list, and
- ⇔ delete destinations from the **RECENT DESTINATIONS** list.

Recent destinations

1. On the **DESTINATION** screen, tap **Recent destinations**.

   The **RECENT DESTINATIONS** screen opens.



2. Tap the entry of the desired destination.

For information on working with lists, please refer to "Lists", page 16.

3. Tap **OK**.

The destination will be taken over. The address is entered into the respective fields.

5.3.6 Using your home address

Survey

If you have stored your home address you may quickly start navigation home at any place.

For information on entering your home address, please refer to "Home address", page 91.

1. On the **MAIN MENU** tap the **Home** icon.

   The route is now being calculated and navigation starts. The type of route is always a Quick route.

5.4 Destination management

Survey

Destinations may be stored in two lists:

⇔ the **SAVED DESTINATIONS** list

⇔ the **RECENT DESTINATIONS** list

Every destination you are indicating and the destinations from the **RECENT DESTINATIONS** list may be added to the **SAVED DESTINATIONS** list. This makes sense if you want to navigate more often to the respective destination.

Destinations from the **SAVED DESTINATIONS** list may be renamed.

Items from both lists may be deleted.

5.4.1 Saving a destination

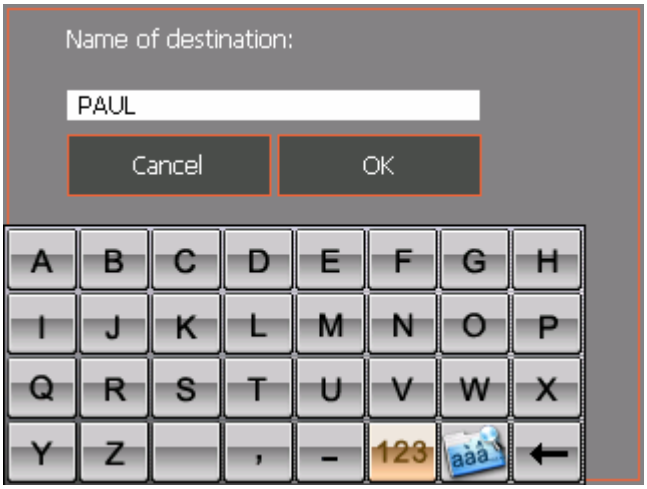
Precondition

You have entered a destination as described in "Entering a destination", page 43
- OR –
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 52.

or

1. Tap the **Save** icon.

   The **NAME OF DESTINATION** screen opens.



2. Enter the name of the destination.

   For information on the use of the keyboard, please refer to "Software keyboard", page 11.

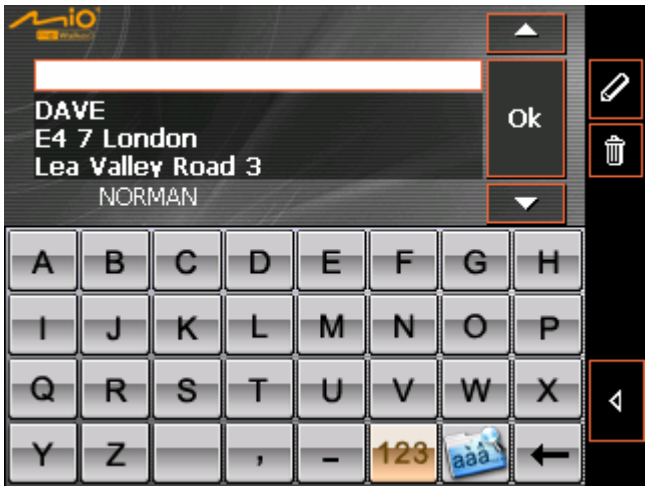
3. Tap **OK**.

   The destination has now been added to the **SAVED DESTINATIONS** list.

5.4.2 Renaming a destination

1. On the **DESTINATION** screen, tap **Saved destinations**.

   The **SAVED DESTINATIONS** screen opens.

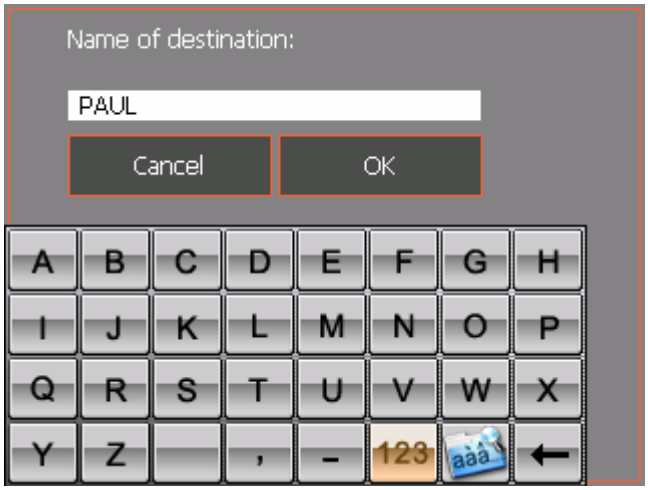


2. Select the destination you want to rename.

   For information on working with lists, please refer to "Lists", page 16.

3. Tap the **Rename** icon.

   The **NAME OF DESTINATION** screen opens.



4. Enter the new name of the destination.

   For information on the use of the keyboard, please refer to "Software keyboard", page 11.

5. Tap **OK**.

The destination has been renamed.

5.4.3 Deleting a destination

Precondition

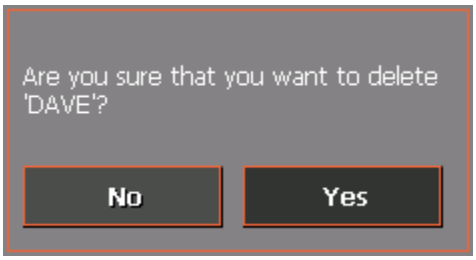
You have opened the **SAVED DESTINATIONS** list as described in "Saved destinations", page 51.
- OR –
You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 52.

1. Tap the entry of the destination to be deleted.

   For information on working with lists, please refer to "Lists", page 16.

2. Tap the **Delete** icon.

   The **CONFIRM** screen opens.



3. Tap **Yes** to delete the destination from the list.

The destination has been deleted.

5.5 Indicating several destinations (Itinerary planning with stages)

Itinerary planning

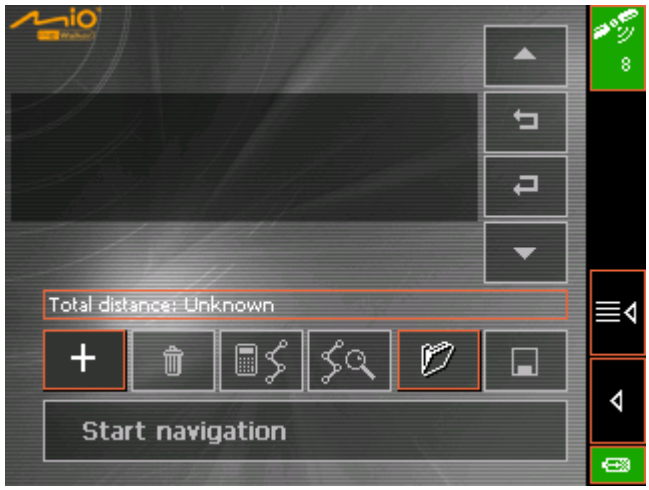
You may plan itineraries without receiving GPS-signals, e.g. comfortably at home. Planned itineraries may be stored. Thus you may plan as many itineraries as you want, e.g. for holidays.

5.5.1 Indicating route points

Planning itineraries...

1. On the **MAIN MENU**, tap **Several destinations**.

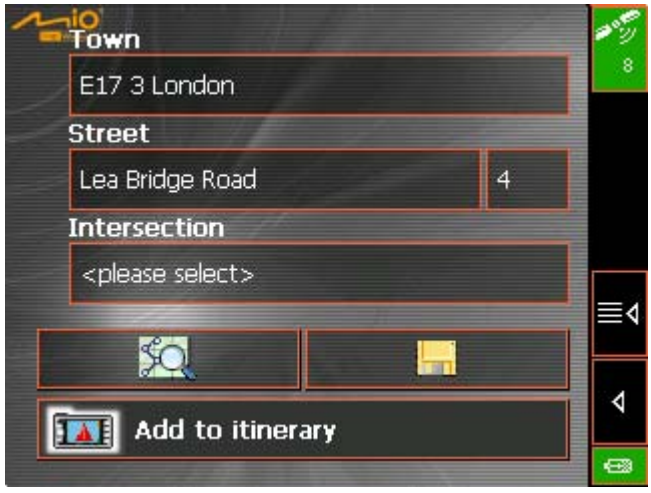
   The **ITINERARY PLANNING** screen opens:



2. Tap the **Add route point** icon to enter the first route point.

   The **DESTINATION** screen opens.

3. Indicate the destination as described in "Entering a destination", page 43.



4. Tap **Add to itinerary**.

The **ITINERARY PLANNING** screen opens. The destination is added as stage point 1.

5. Repeat steps 2-4 for every stage point you want to add to the itinerary.

5.5.2 Editing, saving and managing itineraries

Survey

You may plan as many itineraries as you want, e.g. for holidays. You may save them and use them later for navigation purposes.

At any moment, you may add stage points, modify the order of the stages, or display the itinerary on the map.

The following commands are available on the **ITINERARY PLANNING** screen:

Selection

These icons are deactivated when the list does not contain any route point.

Up

Tap this icon to move the selection one route point up.

Tap this icon several times to move the selection several route points up.

Down

Tap this icon to move the selection one route point down.

Tap this icon several times to move the selection several route points down.

Deleting and adding route points

Delete route point

Tap this icon to delete the selected route point from the list.

This icon is deactivated when not route point is selected.

Add route point

Tap this icon to add a stage point. The new stage point will be added at the end of the list. You may shift it forward using the **Route point up** icon.

Changing the order

These icons are deactivated when the list does not contain any route point.

Route point up

Tap this icon to navigate to the respective stage point earlier (example: stage 3 becomes stage 2).

Route point down

Tap this icon to navigate to the respective stage point later (example: stage 2 becomes stage 3).

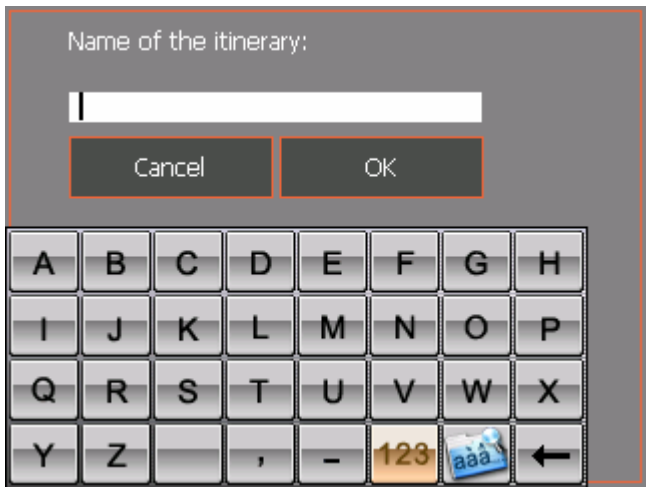
Managing itineraries

Save itinerary

Only itineraries that contain at least one route point may be saved. Otherwise this icon is deactivated.

1. Tap this icon to save the itinerary you have planned.

   The **Name of itinerary** screen opens.



2. Enter a name fort he itinerary.

   For information on the use of the keyboard, please refer to "Software keyboard", page 11.

3. Tap **OK**.

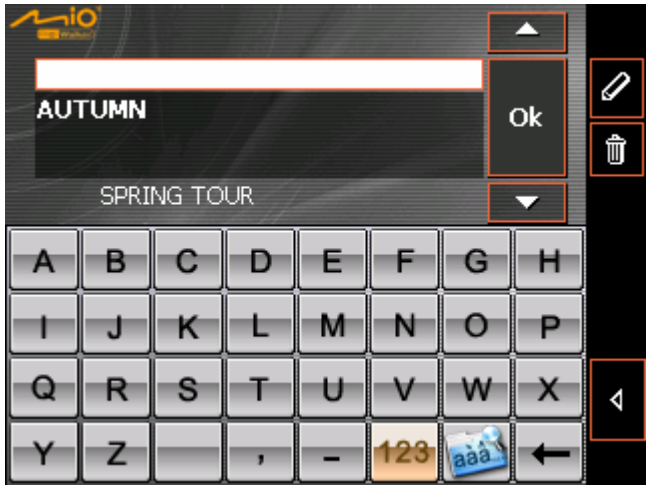
Note: Only the route points will be saved. If you load an itinerary, you will have to recalculate it.

Load itinerary

This icon is deactivated if there is no saved itinerary available.

1. Tap this icon to load a saved itinerary, e.g. to modify it or for navigation purposes.

   The **SELECT ITINERARY** screen opens:



2. Select the itinerary you want to load.

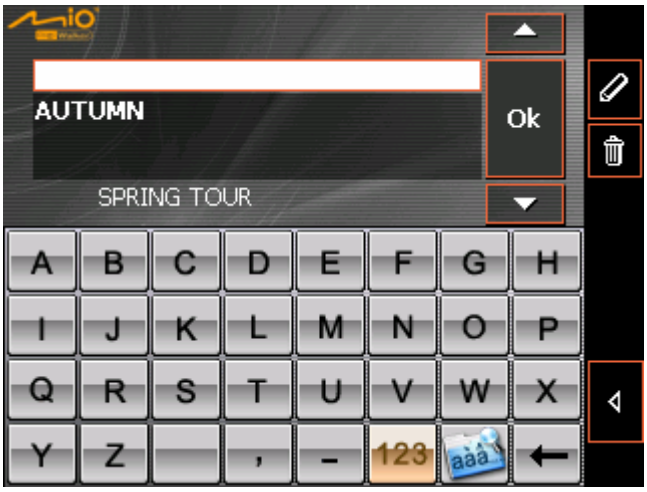
   For information on working with lists, please refer to "Lists", page 16.

3. Tap **OK**.

Rename itinerary

1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

   The **SELECT ITINERARY** screen opens:

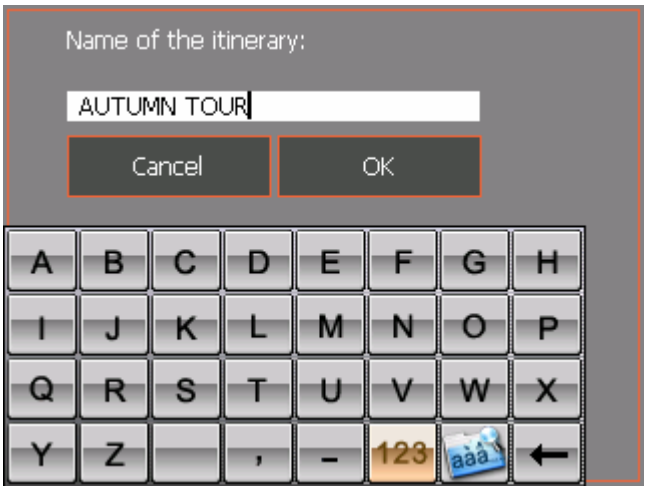


2. Select the itinerary you want to rename.

   For information on working with lists, please refer to "Lists", page 16.

3. Tap the **Rename itinerary** icon.

   The **NAME OF THE ITINERARY** screen opens:

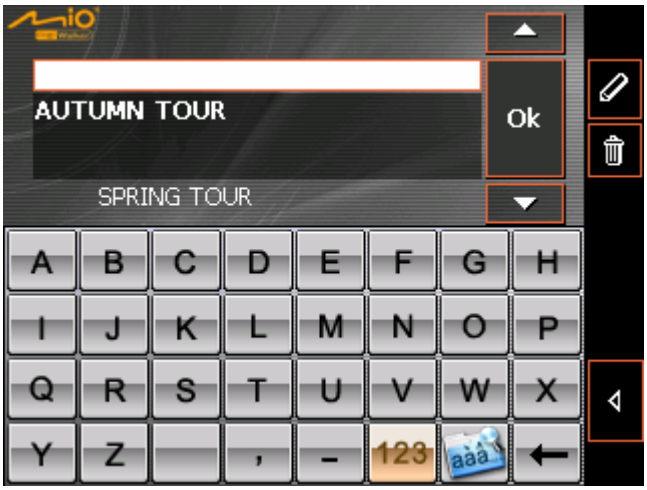


4. Enter the new name of the itinerary.

   For information on the use of the keyboard, please refer to "Software keyboard", page 11.

5. Tap **OK**.

   The **SELECT ITINERARY** screen reopens. The itinerary has been renamed.

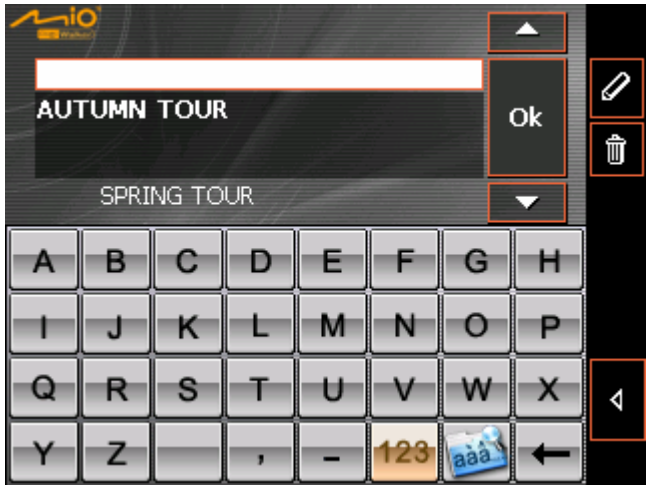


6. Tap **OK** to load the renamed itinerary.
   - OR -
   Tap the **Back** icon to open the **ITINERARY PLANNING** screen without loading an itinerary.

Delete itinerary

1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

   The **SELECT ITINERARY** screen opens:

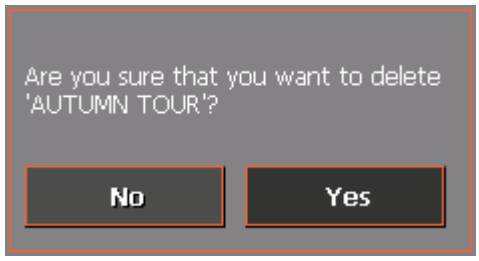


2. Select the itinerary you want to delete.

   For information on working with lists, please refer to "Lists", page 16.

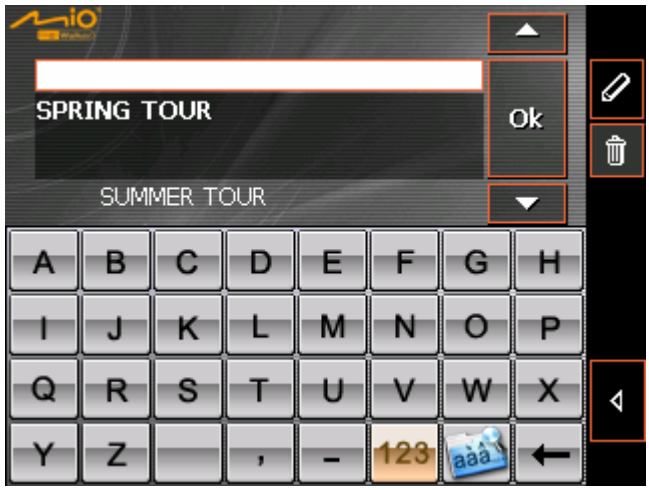
3. Tap the **Delete itinerary** to delete the selected itinerary.

   The **CONFIRM** screen appears.



4. Tap **Yes**.

   The **SELECT ITINERARY** screen reopens. The deleted route is no more listed.



5.5.3 Calculating the route

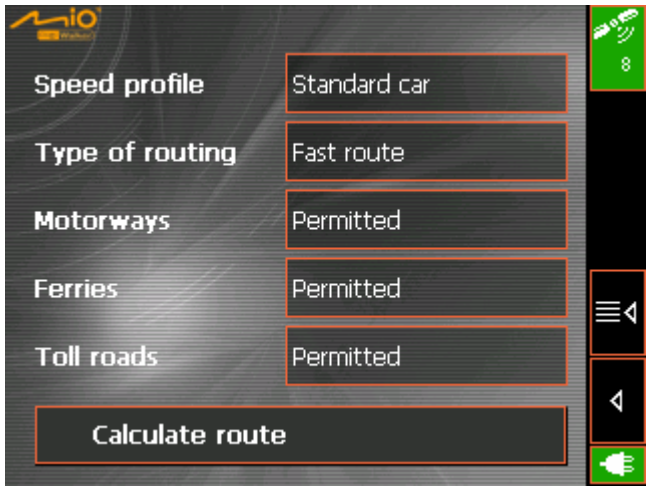
An itinerary may be calculated even without GPS reception in order to get an impression on the route.

The system assumes then the first route point to be the start point of the route.

Note: When you start navigation, the system identifies your current position. If the first route point is not your current position, it will be the first stage point.

1. Tap this icon to calculate the distance and the estimated duration of the entire itinerary.

   The **ROUTE OPTIONS** screen opens:



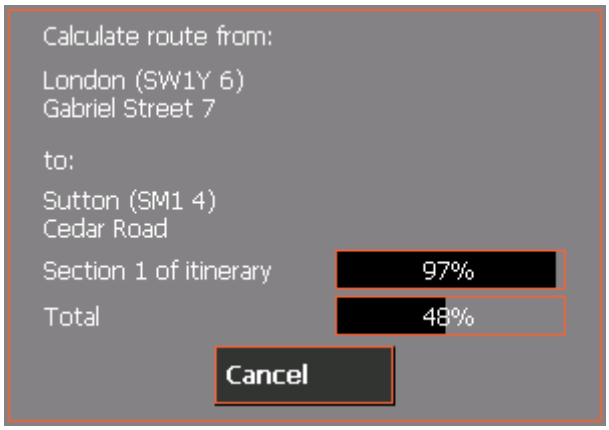
2. Determine the route options.

   For detailed information on setting the route options, please refer to "Routing options", page 90.

   Note: The standard settings for the route options may be changed on the **ROUTING OPTIONS** screen. For detailed information on changing the standard settings refer also to "Settings", page 86.

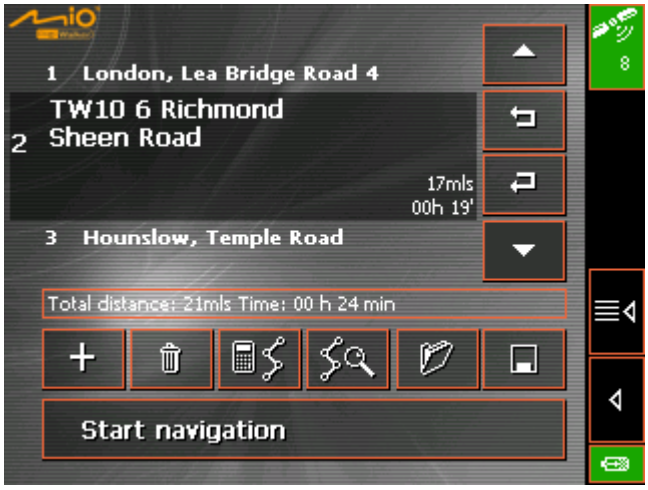
3. Tap the **Calculate route** icon.

   The route is being calculated. A message window informs you on the progress of calculation.



When the route is calculated, the total distance and the estimated duration from the first to the last route point are displayed below the route points list of the **ITINERARY PLANNING** screen.

Furthermore, the distance and the estimated duration of each stage will be indicated with the selected route point entry.

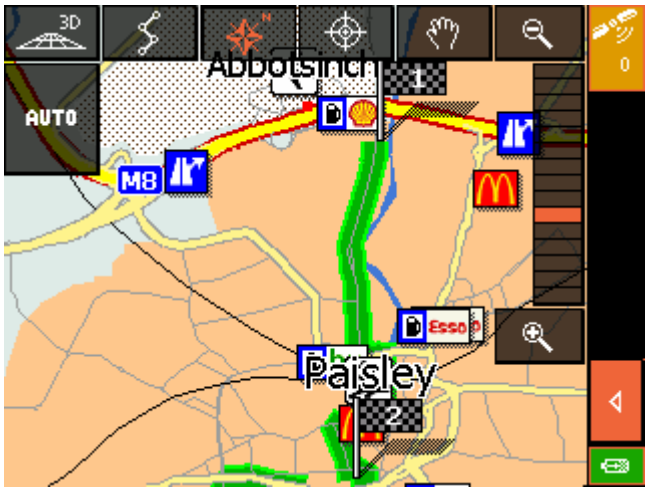


5.5.4 Displaying the itinerary on the map

Show itinerary

Tap this icon to display the entire itinerary on the map.

The map screen opens.



The itinerary is highlighted in green.

The route points are marked by flags.

For information on working with maps, please refer to "Working with the map", page 69.

5.5.5 Simulating the route

Simulation

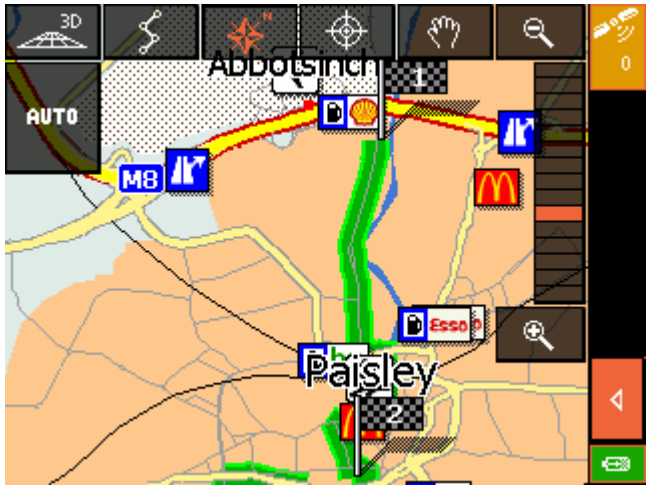
You may execute a simulated navigation along the itinerary when the route has been calculated.

Note: The reception of GPS-signals is not necessary for the simulation.

Simulations are restricted to routes of 60 miles max.

1. Tap the **Show itinerary** icon.

   The itinerary is displayed on the map.



2. Tap the **Additional functions** icon.

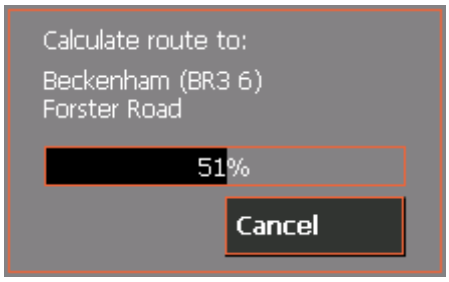
   The **ADDITIONAL FUNCTIONS** screen opens.

3. Select **Start simulation**.

For information on working with lists, please refer to "Lists", page 16.

4. Tap **OK**.

   The route will be recalculated for simulation purposes.



   and simulation starts when calculation is ready.

Stopping the simulation

You may quit a simulation at any moment.

1. Tap the **Additional functions** icon.
2. Select **Stop navigation**.
3. Tap **OK**.

5.6 Starting navigation

Precondition

You have entered a destination as described in "Entering a destination", page 43.

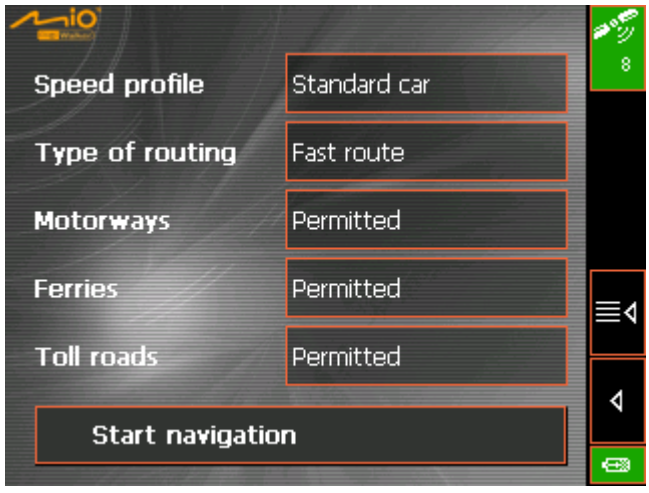
- OR -

You have planned or loaded an itinerary as described in "Indicating several destinations (Itinerary planning with stages)", page 56.

Start navigation...

1. Tap **Start navigation**.

   The **ROUTE OPTIONS** screen opens:



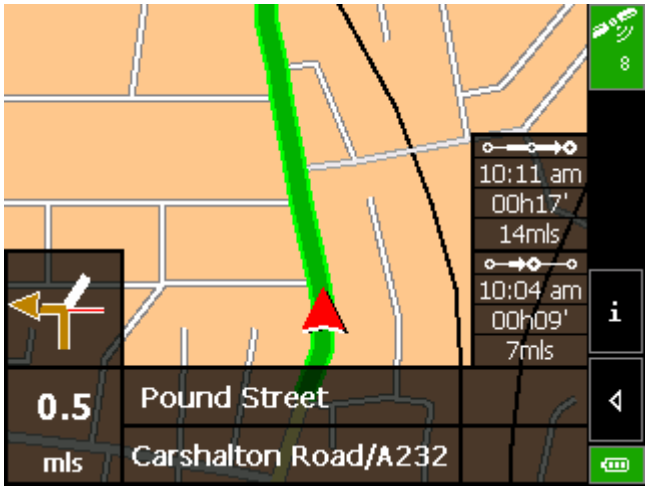
2. Determine the route options.

   For detailed information on setting the route options, please refer to "Routing options", page 90.

Note: The standard settings for the route options may be changed on the **ROUTING OPTIONS** screen. For detailed information on changing the standard settings refer also to "Settings", page 86.

The system calculates the route.

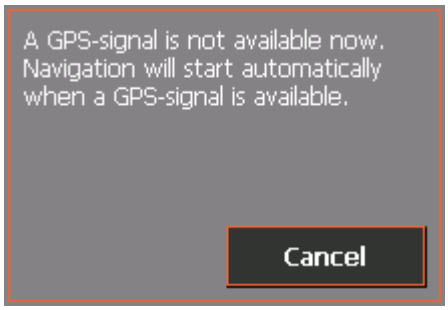
The map screen opens. Your current position is indicated by a red arrow. The route is highlighted in green.



Note: When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stage point of your route.

No GPS reception?

When the received GPS signal is not sufficient, the following message appears:



You have two possibilities:

- ⇔ Wait until navigation starts. This will happen as soon as the GPS reception is sufficient.
- ⇔ Tap **Cancel** and restart navigation as soon as the reception of GPS signals is convenient. You may notice that by watching the GPS symbol on the screen: it becomes green when the reception is good.

6 Working with the map

Topics covered in this chapter:

6.1	Selecting a map	page 70
6.2	Operating the map	page 71
6.3	Representation of the map in navigation mode	page 76
6.4	Displaying additional information on the map	page 78

6.1 Selecting a map

Survey

There are various pieces of information available on the **MAP** screen. Learn in this chapter about the possibilities for working with the map, which depend on whether you are in navigation mode, or not.

Provided maps

There are additional maps included in the delivery on CD-ROM (CD-ROM 1, CD-ROM2 and CD-ROM3). In case you want to use one of these maps, copy it via a card reader to a memory card. Follow then the instructions given below in "Selecting a map".

Selecting a map

To load another map which is available on the currently inserted memory card, proceed as follows:

1. If the desired map is on another memory card than the currently inserted one, open the **MAIN SCREEN** and tap the **Quit** button.

   The initial MITAC screen appears.

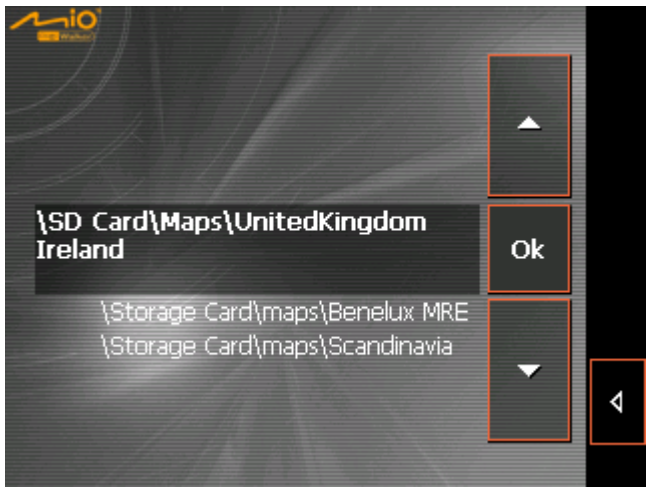
1a Remove the memory card, which is currently inserted.

1b Insert the memory card, which contains the map you want to work with.

1c On the initial MITAC screen, tap the **Navigation** icon to start ***MioMap***.

2. On the main screen, tap the **Select map** button.

The **AVAILABLE MAPS** screen opens:



2. Tap the entry of the map you want to work with.
3. Tap **OK**.

The selected map is now loaded. The **MAIN SCREEN** opens.

6.2 Operating the map

Displaying the map

You may display the map

⇔ while planning an itinerary,

⇔ in order to show destinations on the map, or

⇔ in order to select destinations on the map.

You may display the map via the **Show map** button on the **MAIN SCREEN**.

On the **DESTINATION** screen you may tap the **SELECT ON MAP** button to display the map.

The map is being displayed automatically when you are navigating.

Tapping the map

The icons appear when you tap the map.

If you tap a place on the map and hold information on this place will be displayed and you may, e.g., take over the data for navigation purposes. For details, please refer to “Indicating destinations on the map”, page 49.

For details, please refer to “Indicating destinations on the map”, page 49.

Icons

The following icons are displayed on the map:

Zoom / Scroll

Tap the **Zoom**/**Scroll** icon

(or)

to switch between Zoom and Scroll mode.

Zoom

In Zoom mode (the icon appears white) you may scale the map up or down. Zoom in by drawing a rectangle on the map, beginning with the upper left corner. Zoom out by beginning with the lower right corner.

Scrolling

In Scroll mode (the icon appears red) you may scroll the map. Tap on the screen and drag to the desired direction.

Itinerary planning

This icon is active when a calculated itinerary is loaded. Tap the **Itinerary** icon to display the whole itinerary. Tapping this icon again will display the precedent representation of the map.

Map in driving direction/north oriented

Tap the **In driving direction**/**North oriented** icon

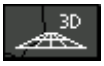
(/),

to switch between the two available modes of map orientation. (North orientation / orientation in driving direction).

North orientation

Tap this icon to orientate the map north up. (the icon appears white).

Tap this icon to orientate the map in driving direction. (the icon appears red).



3D view (GPS reception necessary)

Tap the **3D** icon to display the map in 3D mode (bee flight view). The icon becomes the 2D icon. Tap the **2D** icon to return to the 2D mode (standard). The icon becomes the 3D icon.

Zoom in

Tap **Zoom in** to scale the map down.

Zoom bar

Tap one of the zoom bar sections to modify the scale of the map.

Zoom out

Tap **Zoom out** to scale the map up.

Auto mode (GPS reception necessary)

Tap the **Auto** icon to display the standard representation of the map after you have modified the view. The settings of north orientation and auto zoom mode will be applied. Your current position will be centered. The icons will not be displayed.

For details, please refer to "Settings", section "Auto mode", page 89.

Additional functions

Tap the **Additional functions** icon to display the **ADDITIONAL FUNCTIONS** screen. The availability of some functions depends on whether you are in navigation mode or not.

The **ADDITIONAL FUNCTIONS** screen opens:

Tap the **Day** icon to adapt the luminosity of the screen to daylight conditions.

Tap the **Night** icon to adapt the luminosity of the screen to night conditions.

Show waypoints list

This feature is only available in navigation mode or when a calculated itinerary is loaded. Tap **Show route list** to display a list of all important waypoints of the route. For details, please refer to “Displaying the route list”, page 82.

Change preferences

Tap **Change preferences** to display the **SETTINGS** screen. For details, please refer to “Settings”, page 86.

Quit navigation

This function is only available in navigation mode. Tap **Quit navigation** to exit navigation mode.

Block road, Unblock, New block

These functions are only available in navigation mode.

For details, please refer to “Blocking a route section”, page 83.

Set interim destination

This function is only available in navigation mode. Tap **Set interim destination** to add a new route point to your itinerary. The route will be recalculated and the newly added route point will be the first destination to navigate to. Navigation to the other route points will be executed later.

For details, please refer to “Adding a stage point during navigation”, page 82.

Route options

This function is only available in navigation mode. Tap **Change route options** to modify them.

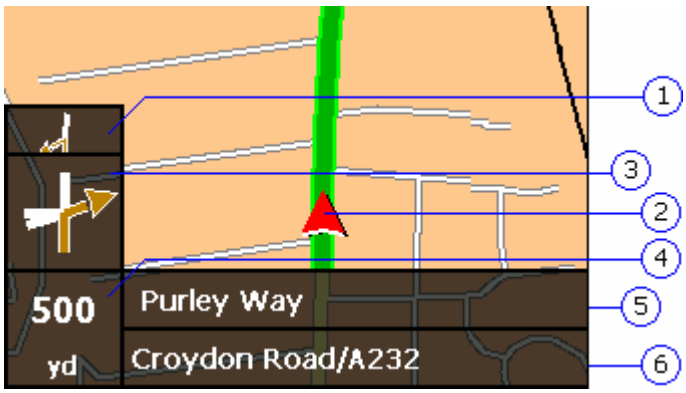
For details, please refer to “Starting navigation”, page 66.

6.3 Representation of the map in navigation mode

In navigation mode, there is some assistance for navigation, some information on the itinerary and one more command button being displayed:

Assistance for navigation

The following assistance for navigation is being displayed at the left and at the bottom of the map:



Field	Information
①	If there are two manoeuvres to be executed quickly one after the other, the small upper arrow field indicates the manoeuvre to be executed immediately after the next manoeuvre.
②	The red arrow indicates your current position on the map. Since the displayed sector of the map changes continually your current position is centred on the map whenever possible (Moving Map).
③	The bigger arrow field indicates the next manoeuvre to be executed.
④	The distance field indicates the distance to the next manoeuvre. When you approach, the representations changes into a distance bar: The more yellow bars are displayed the nearer you are to the place where the next manoeuvre must be executed.
⑤	The upper street field indicates the name of the next street to turn on.
⑥	The lower street field indicates the name of the street you are currently on.

Information on the itinerary

At the right of the map, the following information on the itinerary is being displayed:

Field	Information
	This symbol means "stage". All information displayed below refers to the next stage point.
	ETA (Estimated time of arrival).
	Remaining time to arrival (estimated).
	Remaining distance to arrival (estimated).

Tap this icon to repeat the last spoken instruction. All available information will be displayed.

6.4 Displaying additional information on the map

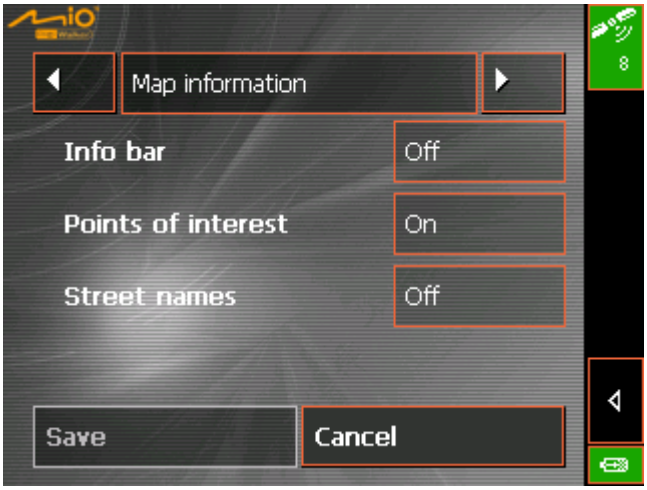
In ***MioMap*** you may determine which information is to be displayed on the map. Modifying any configuration begins on the **CONFIGURATION** screen.

Configuring the display of additional information…

1. On the **MAIN SCREEN**, tap **Settings** or tap the icon on the map and select **Change preferences**.

   The **CONFIGURATION** screen opens.

2. Select **Map information** using the arrow buttons:



Info bar

3. The **Info bar** at the bottom of the map displays the scale of the map, the compass, and the current speed.
   Tap the respective command button to display (On) or not (Off) the **Info bar**.

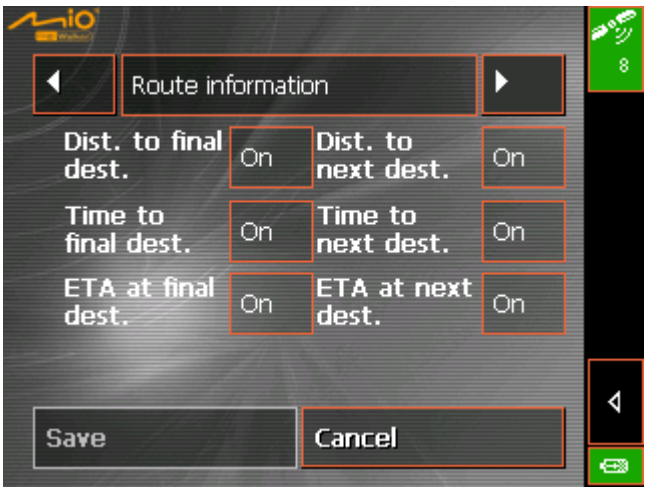
Points of Interest

4. Tap the respective command button to display (On) or not (Off) **Points of Interest** on the map.

Street names

5. Tap the respective command button to display (On) or not (Off) **Street names** on the map.

6. Via the arrow buttons select **Route information**:



7. Tap the command buttons to display (On) or not (Off) the respective information on the map.

   The desired information on the entire itinerary (upper section) and on the current stage (lower section) will be displayed at the right hand side of the map.

Section	Information
	This symbol means "itinerary". All information displayed below refers to the final destination.
	This symbol means "stage". All information displayed below refers to the next stage point. This section is only available if you have indicated more than one destination to navigate to.
Line 2	ETA (Estimated time of arrival).
Line 3	Remaining time to arrival (estimated).
Line 4	Remaining distance to arrival (estimated).

8. Tap **Save** to save the modifications.

   The modifications will be taken over and displayed on the map.

7 Functions which are useful for navigation

Topics covered in this chapter:

7.1	Displaying the route list	Seite 82
7.2	Adding a stage point during navigation	Seite 83
7.3	Blocking a route section	Seite 83

Survey

In ***MioMap*** the following functions are available in navigation mode:

- ⇔ Displaying the route list, see page 82
- ⇔ Adding a stage point during navigation, see page 82.
- ⇔ Blocking route sections, see page 83.

7.1 Displaying the route list

Route sections

During navigation (or just after the calculation of the route) you may display the route list, which informs about the distance and duration from one way point to the next.

Displaying the route list...

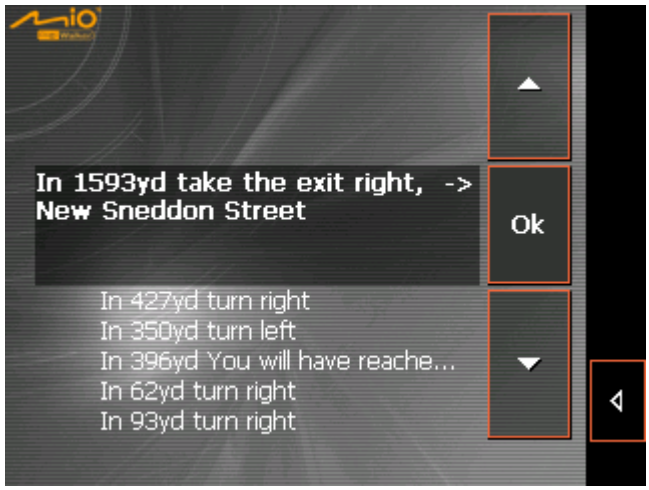
Precondition: The map is being displayed.

1. Tap the **Additional functions** icon

   .

2. Tap **Show route list**.

   The **ROUTE LIST** screen opens.



The route list informs about the distance to the next turn, the type of the next manoeuvre, the name of the street you are on before carrying out the described manoeuvre and the name of the street onto which you should turn next.

7.2 Adding a stage point during navigation

Adding a stage point during navigation…

At any moment during navigation you may add a new stage point to your itinerary. The route will be recalculated in order to make the new stage point the next destination to navigate to. The other remaining stage points will be navigated to after the new one.

Adding a stage point…

Precondition: The map is being displayed in navigation mode.

1. Tap the **Additional functions** icon.
2. Tap **Set interim destination**.

   The **DESTINATION** screen opens.
3. Indicate the new stage point as described in “Entering a destination”, page 43.
4. Tap the **Set as route point** button.

1. The route will be recalculated in order to make the new stage point the next destination to navigate to.

Note: Select the new stage point directly on the map, just as described in “Indicating destinations on the map”, page 49. Tap the respective place and hold. From the context menu, select **Add as route point**.

7.3 Blocking a route section

Blocking a route section manually

You may block a route section manually in order to evade it. Manual blocking forces a recalculation of the route.

Presume that you are driving on a freeway and a radio message announces a traffic jam 4 miles ahead of your current position. With the “Block route sections” function you may instruct the navigation system to evade the announced traffic jam.

A manual blocking is only valid for the current navigation process. The respective route section will be unblocked for the next navigation or when you restart the software.

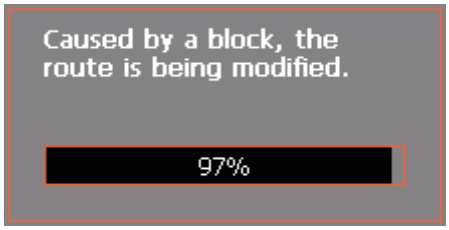
Blocking a route section…

Precondition: The navigation system is in navigation mode and the map is being displayed.

1. Tap the **Additional functions** icon.
2. Tap **Block road**.

   The **BLOCKING** screen opens.
3. Enter how many miles (from your current position on) you want to block.
4. Tap **OK**.

This forces a recalculation of the route. The indicated route section will be evaded. On the map, it will be highlighted in red.



Unblocking a route section

1. Tap the **Additional functions** icon**.**

2. Tap **Unblock**.

   The route section is now unblocked. The navigation system uses the route, which had been calculated originally.

8 Configuring MioMap

Topics covered in this chapter:

8.1	Settings	page 86
	User mode	
	Map information	
	Route information	
	Volume	
	Representation	
	Auto mode	
	Routing options	
	Itinerary	
	Format	
	Home address	
	Radio-Mute	
	Product information	

8.1 Settings

Configuration

In ***MioMap***, you may modify the following settings:

- ⇔ User mode, see page 86,
- ⇔ Map information, see page 87,
- ⇔ Route information, see page 88,
- ⇔ Volume, see page 88,
- ⇔ Representation, see page 89,
- ⇔ Auto mode, see page 89,
- ⇔ Routing options, see page 90,
- ⇔ Itinerary, see page 90,
- ⇔ Format, see page 91,
- ⇔ Home address, see page 91,
- ⇔ Radio-Mute, see page 91,
- ⇔ Product information, see page 91.

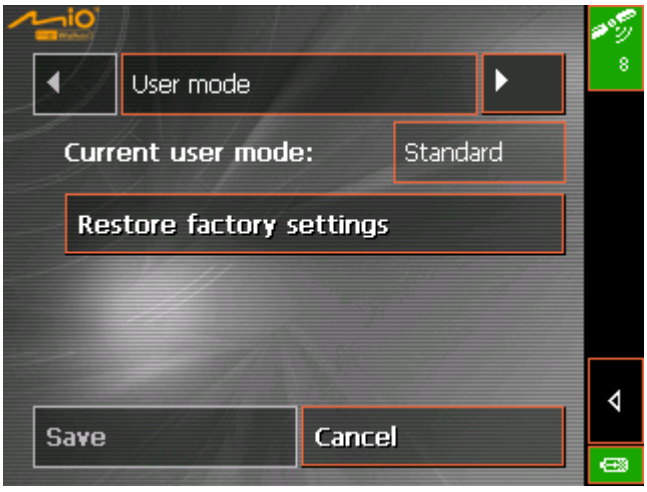
On the **MAIN SCREEN**, tap the **Settings** button to configure ***MioMap***.

On the **SETTINGS** screen, tap the **Save** button to apply your modifications if you have made some.

8.1.1 User mode

User mode

On the **USER MODE** screen, you may effect the following modifications:



Your current user mode is indicated on the **Current user mode** field.

2. Tap **Current user mode** to switch to the other user mode.

   The name of the user mode you want to switch to becomes the caption of the entry field.

3. Tap **Save** to save the changes.

Note: When you switch to standard mode, a dialog window asks you whether you want to keep the configuration changes you have made in extended mode. This dialog window appears even when you have not made any configuration changes. Tap **Yes**.

The **USER MODE** screen closes and you are in the Main menu of the user mode you have just switched to.

8.1.2 Map information

Info on the map

On the **MAP INFORMATION** screen, you may effect the following modifications:

Element	Signification
Info bar	The **Info bar** at the bottom of the map displays the scale of the map, the compass, and the current speed. Tap the respective command button to display (On) or not (Off) the **Info bar**.
Points of Interest	Tap the respective command button to display (On) or not (Off) **Points of Interest** on the map.
Street names	Tap the respective command button to display (On) or not (Off) **Street names** on the map.

8.1.3 Route information

Itinerary info

On the **ROUTE INFORMATION** screen, you may effect the following modifications:

Element	Signification
ETA at final dest.	ETA (Estimated time of arrival) at the final destination.
Time to final dest.	Remaining time to the final destination (estimated).
Dist. to final dest.	Remaining distance to the final destination (estimated).
	Tap the respective command buttons to display (On) or not (Off) the respective information on the map. All information displayed below refers to the final destination. This section is only available if you have indicated more than one destination to navigate to.
ETA at next dest.	ETA (Estimated time of arrival) at the next stage point.
Time to next dest.	Remaining time to the next stage point (estimated).
Dist. to next dest.	Remaining distance to the next stage point (estimated).
	Tap the respective command buttons to display (On) or not (Off) the respective information on the map. All information displayed below refers to the next stage point.

8.1.4 Volume

Volume

On the **VOLUME** screen, modify the volume of the spoken indications of the navigation system.

Tap the **Volume** field and select another value.

8.1.5 Representation

Representation

On the **REPRESENTATION** screen, you may effect the following modifications:

Element	Signification
Skin	Skins are made to personalize the user interface of ***MioMap***. Tap the **Skin** field. Select one of the available skins and tap **OK**.
Brightness day	Tap this entry field and select a brightness degree (1 to 8) for operation on daylight conditions.
Brightness night	Tap this entry field and select a brightness degree (1 to 8) for operation at night.

8.1.6 Auto mode

Auto mode

On the **AUTO MODE** screen, you may effect the following modifications:

Element	Signification
Autozoom	Autozoom increases or reduces the scale of the map, depending on your current speed. Tap the **Autozoom** field. Select **No autozoom** if you do not want the scale to be modified in navigation mode. **Standard autozoom** if you want the scale to be modified continuously in navigation mode. **Low autozoom** if you want to increase the scale quicker than with normal autozoom. **High autozoom** if you want to reduce the scale quicker than with normal autozoom. Make your choice and tap **OK**.
Map	Tap this button to orientate the map by default to the north or in driving direction.

8.1.7 Routing options

Routing options

On the **ROUTING OPTIONS** screen, indicate your speed profile. This entry will have an effect on the calculation of the remaining time and of the **e**stimated **t**ime of **a**rrival (ETA).

1. Tap the **Speed profile** button. Select one of the available profiles and tap **OK**.

2. Tap the **TYPE OF ROUTING** field and select one of the following options:

Option	Signification
Fast route	The quickest route will be calculated.
Short route	The shortest route will be calculated.
Pedestrian route	A route for pedestrians will be calculated. One-way directives and prohibitions of vehicular traffic will be disregarded.
Bike route	A route for bikes will be calculated. All traffic rules concerning cars will be regarded, but some kinds of roads as e.g. motorways will be excluded from the itinerary.

3. Tap the **Motorways**, **Ferries**, and **Toll roads** fields successively and select one of the following options:

Option	Signification
Permitted	The respective kind of street will be regarded for route calculation.
Avoid	The respective kind of street will be avoided if reasonable.
Forbidden	The respective kind of street will be disregarded for route calculation.

8.1.8 Itinerary

Proceeding automatically to the next stage point…

On the **ITINERARY** screen, determine whether you want to navigate automatically to the next stage point after having reached a stage point (Yes) or not (No).

Tap the **Proceed automatically to next destination** button to toggle between Yes and No.

If you do not proceed automatically, you may proceed as follows:
On the map in navigation mode, tap the **Additional functions** icon.
Select **Next stage** and tap **OK**.

8.1.9 Format

Units

On the **FORMAT** screen, determine which units are to be used for time and distance indications.

Element	Signification
Time	Tap the **Time** field to toggle between **12 hours** (AM/PM) and **24 hours** time format.
Distance	Tap the **Distance** field to toggle between **kilometres** or **miles** distance units.

8.1.10 Home address

Home address

On the **HOME ADDRESS** screen, you may save your home address to quickly start navigation homewards from anywhere.

1. Tap **Enter your home address**.

   The **DESTINATION** screen opens.

3. Tap the **Address** button and enter your home address as described in “Entering a destination manually”, page 44.
4. Tap the **Set as home address** button.

   The address is indicated on the **HOME ADDRESS** screen.

8.1.11 Radio-Mute

Radio-Mute

On the **RADIO-MUTE** screen, you may activate the radio-mute function if your hands-free kit is connected to the RADIO-MUTE jack of your car radio. Possible retardations of the hands-free kit will then have no negative effects on the spoken indications of the navigation system.

8.1.12 Product information

Product information

On the **PRODUCT INFORMATION** screen, the name and the version of the software are displayed.

9 Glossary

COM-port

A COM port is a connector to a communications interface, usually the serial port. The ports are numbered by a number behind “COM”. A communications interface is designed to connect hardware like a mouse or a GPS receiver.

GMT

GMT (**G**reenwich **M**ean **T**ime) is the mean solar time at the Royal Greenwich Observatory in Greenwich near London, England, which by convention is at 0 degrees geographic longitude. Theoretically, noon Greenwich Mean Time is the moment when the Sun crosses the Greenwich meridian (and reaches its highest point in the sky in Greenwich). Up to 1972, GMT was the global time standard. Because of the Earth's uneven speed in its elliptic orbit, GMT has been replaced by UTC (**U**niversal **T**ime **C**oordinated), which is an ultra stable time standard based on atomic clocks.

GPS

The GPS (**G**lobal **P**ositioning **S**ystem) is based on 24 satellites, which are in orbit round the earth. They are permanently emitting the time and their current position. The GPS receiver receives this information and calculates the longitude and the latitude of its own current position.

The signals of at least three satellites are needed to determine the longitude and the latitude. With the signals of at least four satellites the elevation may be calculated, too. The determination has an accuracy of about 3 yards.

HDOP

The **H**orizontal **D**ilution **o**f **P**recision (HDOP) indicates the quality of position determination. Theoretically any value from 0 to 50 is possible. The smaller the value is, the more accurate is the position determination (value 0 = no deviation from the actual position). Values up to 8 are convenient for street navigation.

POI

Point **o**f **I**nterest (POI). See ➔Point of Interest.

Point of Interest

Points of Interest, also called POI, are covered by the map and may be displayed on it. Harbours, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the Points of Interest. You may determine Points of Interest as itinerary points for navigation purposes.

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